CREATIVE & RESPONSIBLE CHEMISTRY

PRODUCT CATALOGUE

July 2026



INNOVATION
at the heart of polymers chemistry

www.cop-chimie.com

THE CHEMISTRY
sustainable and ethical



COP manufactures, synthesizes and formulates a range of materials designed for polymer transformation in several lines of applications, such as orthopedic.

A PEOPLE FOCUSED
Company

French and independent since 1987,
COP develops innovative tailor-made solutions and can produce in small quantities to satisfy every specific need.
Composed of chemical engineers and qualified technicians, the team provides both advice and service.

Certified ISO 9001 v.2015, COP pursues its commitment to manufacturing to the highest standards..

VISIONARY
and precursor

Because we place people at the heart of our activities, improving the workplace environment of our collaborators and partners is our priority.

This philosophy is also reflected by the conception and the manufacturing of alternative polymers, which are bio-based and less dangerous for health.

David Denis, CEO
Since 2010

INNOVATION as a commitment

COP is involved in an intensive research and development approach and makes available its laboratory for project development.

One goal : to replace toxic components by less harmful equivalent, following on our first innovations : RTV-2 skin contact silicone range, water expanded polyurethane foam range, biocomposite : bio-based epoxy resin BPA free and flax fibers.

Cutting edge equipment : rheometer, tensile testing machine, viscosimeter, DMA, rheotech, thermoplastic and silicone 3D printer.

Six scientific publications since 2012 : Chemistry of Polymers...

COP is investing in tomorrow's manufacturing process to reduce production time and costs and meet customization needs. To this end, COP is developing a range of printable silicones to provide flexible solutions for 3D printing.

01 integrated laboratory

02 innovation awards

25% of employees in R&D

A large range
OF POLYMERS



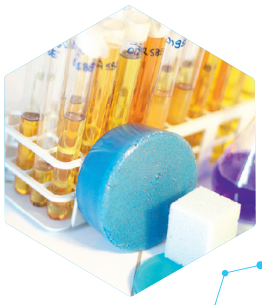
As a expert in chemistry, COP offers its own polymer ranges and customized solutions.

Liquid
RESINS

Polymerization yields to materials which characteristics (hardness, flexibility, transparency, elasticity...) make them best suited for various casting techniques.

Depending on their utilization, COP polymers provide : comfort, lightness or mechanical performance.

Silicones gels, elastomers	**Acrylics** composites
Epoxy biocomposite (BPA free resin)	**Polyurethanes** elastomers, foams, elastic coating











ORTHOPEDICS
an historical know-how

For over 38 years, COP has been manufacturing and developing new materials for the orthopedics professionals to realize customized equipments.

Since 2025, we have created L'ATELIER BY COP as a training space dedicated to learning the most advanced implementation techniques. This space enables professionals to develop, through hands-on practice, a solid command of materials and technical skills.

ONE PRIORITY :
Improve comfort for people with disabilities.

Complementary
PRODUCTS

COP also supplies all accessories needed for polymers processing operations.

- Molding products and accessories,
- Safety equipment,
- **Natural and standard composite reinforcements.**



Towards TOMORROW'S CHEMISTRY

With its innovative approach as testified by its integrated laboratory, COP is committed to design and produce alternative polymer resins, biosourced and most importantly less harmful for the health of its employees and partners.

A member of the Polymeris competitiveness cluster, it also belongs to a network of academic and private experts working for innovation in the chemistry sector in France.

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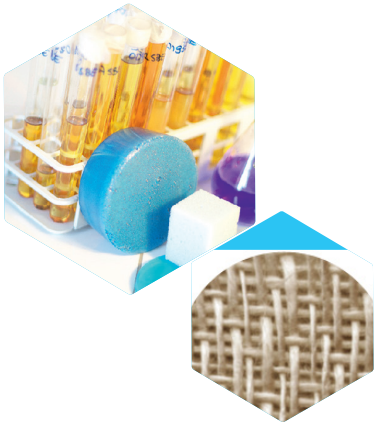
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L'ATELIER BY COP EXPLORING CHEMISTRY CREATING SOLUTIONS

TRAINING – L'ATELIER BY COP

In the field of orthopaedic device manufacturing, the diversity of materials and the complexity of polymers require perfect technical mastery to ensure reliable, high-performance solutions tailored to each patient.

To meet these needs, we created L'ATELIER BY COP, a dedicated space for practical training, hands-on techniques, and an in-depth understanding of materials. L'ATELIER BY COP now offers two structured training modules focused on key technologies:

Training modules offered:

- Module 01 – COPSIL SOCKET: Manufacturing of a soft silicone socket
- Module 02 – EASYFIT LINER: Manufacturing of a custom silicone liner
-

In addition, we also provide personalised training pathways tailored to the technical needs of each workshop, enabling participants to explore new materials such as our COPSIL 3D®, printable silicones and ORTHOFLAX® flax fibers.

Custom training options:

- Manufacturing prosthetic sockets using the new ORTHOPOXY® resins with ORTHOFLAX® and ECO-BLACK fibers.
- Realization of tibialis esthetics
- Silicone 3D printing training with F3DF (module available outside orthopedics for professionals in the industrial, prototyping and luxury sectors)
- And additional topics based on your specific needs.

L'ATELIER BY COP EXPLORING CHEMISTRY CREATING SOLUTIONS

This logo indicates that a training session is available in reference to this material.

· EPOXY

> COMPOSITE RESINS

SAFEPOXY®

Epoxy resins for stratification

Workshop sheet

SAFEPOXY® CONTACT

Mixing ratio	100:40
Mix viscosity	1 100 mPa.s
Gel time*	Fast : 15 min
	Slow : 30 min
Hardness	85 Shore D

*(measurements made on a 70g mixture at 20°C)

SAFEPOXY® is our range of epoxy resins dedicated to industrial applications. It is formulated without bisphenol A and from renewable raw materials.

It is aimed at composite processors who want to limit their exposure to hazardous substances and their carbon footprint while manufacturing high-performance composites.

The chemical network is formed and the products are used in the same way as a standard system by mixing the resin and the hardener, applicating the resin, crosslinking at room temperature and post-curing to reach the maximum hardness and Tg.

COP makes the DIFFERENCE

SAFEPOXY® resins have lower toxicity compared to market standards.

They are formulated without bisphenol A , an endocrine disruptor identified as SVHC (Substance of Very High Concern), able of interfering with our hormones and producing adverse effects even at very low doses.

Beyond being bisphenol-free and having similar mechanical properties to the marketed epoxy resins, SAFEPOXY® resins are partially bio based. COP succeeded in substituting bisphenol for molecules derived from biomass. The renewable carbon source contained in SAFEPOXY® resins comes from the fermentation of sugars and does not represent any health hazard (INSERM 2016 study).

PERFORMANCES

SAFEPOXY® offers the performances of epoxy and combines with both standard fibers (carbon, glass ...) and natural basalt (ECO-BLACK) or linen (ORTHOFLAX®) reinforcements that we offer.

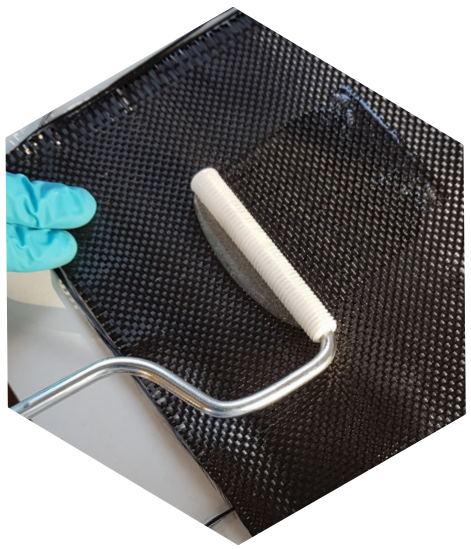
- Transparent products
- High wetting power
- High mechanical tensile and flexural strengths
- Sandable after 16 hours at room temperature
- UV resistant

The different SAFEPOXY® systems reach a Tg close to 80 ° C after post-curing.We offer a full range of resins to meet different industries' needs.

For laminating

- **SAFEPOXY® Contact:** contact laminating systems

Laminating systems are available in Slow and Fast reactivities depending on the size of the pieces to be laminated.



> COMPOSITE RESINS

SAFEPOXY®

Epoxy resins for repair and finishing

Workshop sheet

SAFEPOXY® GAP FILLER

Mixing ratio	100:40
Gel time*	13 min*
Hardness	85 Shore D

SAFEPOXY® MASTIC

Mix ratio	100:40
Gel time*	14 min*
Hardness	85 Shore D

*(measurements made on a 70g mixture at 20°C)



For repair

- **SAFEPOXY® Sealant:** consistent paste for repairing or shape refilling

For surface finishing

- **SAFEPOXY® Gap filler:** smoothing and filling coating

RESPECT FOR THE ENVIRONNEMENT

SAFEPOXY® resins are formulated with more than 30 % bio-sourced material.

We offer small pack sizes to fit with our customers productions.

NAMES		PACKAGING	REFERENCES
SAFEPOXY CONTACT	RESIN	1 kg	SPC R01
		2.5 kg	SPC R02
		5 kg	SPC R03
	HARDENER SLOW	400 g	SPC DS01
		1 kg	SPC DS02
		2 x 1 kg	SPC DS03
	HARDENER FAST	400 g	SPC DF01
		1 kg	SPC DF02
		2 x 1 kg	SPC DF03
SAFEPOXY GAP FILLER	RESIN	1 kg	SPE R01
		2.5 kg	SPE R02
		5 kg (pot)	SPE R03
	HARDENER	400 g	SPE D01
		1 kg	SPE D02
		2 x 1 kg	SPE D03
SAFEPOXY MASTIC	RESIN + FILLER	1 kg + filler	SPM RC01

LAMINATING RESINS

ORTHOPOXY®
Fast, Slow and Clear

Workshop sheet

ORTHOPOXY® FAST

Mix viscosity at 20°C	450 mPa.s
Resin / Hardener	100:40
Gel time*	30 min
Gel time in thin layer	1 h 30
Post curing at 100°C	1 h
Hardness	85 Shore D

ORTHOPOXY® SLOW

Mix viscosity at 20°C	450 mPa.s
Resin / Hardener	100:40
Gel time*	2 h
Gel time in thin layer	5 h 30
Post curing at 100°C	1 h
Hardness	85 Shore D

ORTHOPOXY® CLEAR

Mix viscosity at 20°C	500 mPa.s
Resin / Hardener	100:40
Gel time*	35 min
Gel time in thin layer	3 h 30
Post curing at 100°C	1 h
Hardness	85 Shore D

*(measurements made on a 70g mixture at 20°C)

New generation of bio-based epoxy resins, BPA free, patented and especially developed for orthopedic equipment.

ORTHOPOXY® range is composed of three versions:

- **« FAST » for the realization of prosthetic sockets**
- **« SLOW » for the realization of orthosis,**
- **« CLEAR » for the faster realization of aspect parts lightweight and having excellent mechanical and thermal properties. We recommend using the CLEAR version for devices in contact with water or for patients subject to excessive sweating.**

These resins have been designed to impregnate our flax fibers (ORTHOFLAX®) and Basalt fibers (ECO-BLACK) but also all the other fibers used in the orthopedic field (CARBON, GLASS, PERLON®, NYLGLASS®, etc.).

- **Comfort at work :** Odorless, Non flammable
- **Performance :** More rigid and more resistant, High compatibility with fibers and easy to impregnate
- **Bio-based resins**
  - **45 %** for the FAST version
  - **45 %** for the SLOW version
  - **50 %** for the CLEAR version

NAMES		PACKAGING	REFERENCES
ORTHOPOXY FAST	RESIN	1 kg	EPOX-F R01
		2.5 kg	EPOX-F R02
		5 kg	EPOX-F R03
	HARDENER	400 g	EPOX-F D01
		1 kg	EPOX-F D02
		2 x 1 kg	EPOX-F D03
ORTHOPOXY SLOW	RESIN	1 kg	EPOX-S R01
		2.5 kg	EPOX-S R02
		5 kg	EPOX-S R03
	HARDENER	400 g	EPOX-S D01
		1 kg	EPOX-S D02
		2 x 1 kg	EPOX-S D03
ORTHOPOXY CLEAR	RESIN	1 kg	EPOX-C R01
		2.5 kg	EPOX-C R02
		5 kg	EPOX-C R03
	HARDENER	400 g	EPOX-C D01,
		1 kg	EPOX-C D02
		2 x 1 kg	EPOX-C D03



SOCKET IN ORTHOPOXY® AND REINFORCEMENT ORTHOFLAX

ACRYLIC

LAMINATING RESINS

COPACRYL

Jersey, carbon, supple, glue, glue gel

Hardener : SIPACRYL

Workshop sheet

JERSEY RESIN

Viscosity resin	450 mPa.s
Resin/Hardener	100:2 to 3
Exothermic peak time*	25 min
Demolding time	35 min
Hardness	85 Shore D

CARBON RESIN

Viscosity resin	250 mPa.s
Resin/Hardener	100:2 to 3
Exothermic peak time*	25 min
Demolding time	35 min
Hardness	85 Shore D

GLUE RESIN

Viscosity	300 mPa.s
Resin/Hardener	100:2 to 3
Exothermic peak time*	9 min
Demolding time	12 to 15 min
Hardness	85 Shore D

GEL RESIN

Viscosity	Thixotropic
Resin/Hardener	100:2 to 3
Exothermic peak time*	6 min
Demolding time	12 to 15 min
Hardness	85 Shore D

SUPPLE RESIN

To mix with Jersey /Carbon resins	(10 to 30 %)
Viscosity	400 mPa.s
Resin/Hardener	100:2 to 3
Exothermic peak time*	35 min
Demolding time	35 to 55 min
Hardness	65 to 95 Shore A

* measurements made on a mixture at 20°C



SOCKET IN COPACRYL CARBON RESIN AND CARBON BRAID

COPACRYL very fluid, quick working time and low odor. Available in Jersey, Carbon, Supple, Glue and Glue-Gel versions.

- Good mechanical properties
- Very good skin tolerance
- Thermoformable after polymerization
  (within the limit of elasticity of the fabric used)

Used with SIPACRYL hardener in 2 to 3 % dosage, non-CMR.

Measuring spoon available for purchase.

COPACRYL RANGE	
COPACRYL RESIN JERSEY	sockets reinforced with jersey braids
COPACRYL RESIN CARBON	sockets reinforced with carbon fiber
COPACRYL RESIN SUPPLE	flexibilisation of certain devices (hip socket) in combination with COPACRYL Carbon or Jersey
COPACRYL RESIN GLUE	liquid and gel

APPLICATIONS

Can be used with our standard fabrics: PERLON®, NYLON®, NYLGLASS®, STRETCHNYLGLASS®, 100% GLASS.

Can be used with our natural reinforcement **ORTHOFLAX®** and **ECO-BLACK**.

Prosthetic & Orthotics : For lamination of all types of sockets and other splinting devices.

NAMES	PACKAGING	REFERENCES
COPACRYL JERSEY	900 g	**CAC J01**
	4.9 kg	**CAC J05**
	25 kg	**CAC J25**
COPACRYL CARBON	900 g	**CAC F01**
	4.9 kg	**CAC F05**
	25 kg	**CAC F25**
COPACRYL GLUE	900 g	**CAC C01**
	4.9 kg	**CAC C05**
	25 kg	**CAC C25**
COPACRYL GLUE GEL	750 g box	**CAC G750**
COPACRYL SUPPLE	900 g	**CAC S01**
	4.9 kg	**CAC S05**
	25 kg	**CAC S25**
SIPACRYL HARDENER (NON-CMR)	150g in bag	**SYD-II 101**
	150g in pot	**SYDO-II 101**
MEASURING SPOON	per unit	**CDO 001**
	pack of 10	**CDO 010**

· POLYURETHANE

> HARD FOAMS

FORMOUSSE 700, 450, 300, 200

Hard foams more or less expanded

*HARDENER MD**

Workshop sheet

FORMOUSSE 700

Expansion start time at 20°C	1 min
End of expansion	2 min
Removal from mould	20 min
Expansion	x 1.4
Density	700 g/L
Resin/Hardener	100:100
Hardness	70 Shore D

FORMOUSSE 450

Expansion start time at 20°C	1 min
End of expansion	2 min
Removal from moul	10 min
Expansion	x 2.2
Density	450 g/L
Resin/Hardener	100:100
Hardness	55 Shore D

FORMOUSSE 300

Expansion start time at 20°C	1 min
End of expansion	2 min 20 sec
Removal from mould	10 min
Expansion	x 4.3
Density	230 g/L
Resin/Hardener	100:100
Hardness	30 Shore D

FORMOUSSE 200

Expansion start time at 20°C	40 sec
End of expansion	2 min 10 sec
Removal from mould	10 min
Expansion	x 5.9
Density	170 g/L
Resin/Hardener	100:100
Hardness	25 Shore D



SHAPES IN FORMOUSSE 450

Range of hard foams more or less expanded (1.4 to 5.9 times), two-component.

All the FORMOUSSE foams can be screwed, nailed, stapled and can be worked as wood.

APPLICATIONS IN PROSTHETICS AND ORTHOTICS

FORMOUSSE 200 AND 300 perfectly grip onto acrylic sockets. Depending on its density FORMOUSSE foams can be used in orthosis or sockets as a reinforcement in highly stressed areas.

APPLICATIONS IN ORTHOPAEDIC FOOTWEAR

FORMOUSSE 700 and 450 can be used to fill plaster casts.
Before filling the cast, we advice to apply either a LATEX LIQUID type insulator and then a RELEASE AGENT Z400 on the inside, or directly a release agent.

NAMES	PACKAGING	REFERENCES
FORMOUSSE 700 RESIN	2 kg	**FRB 702**
	5 kg	**FRB 705**
FORMOUSSE 450 RESIN	2 kg	**FRB 402**
	5 kg	**FRB 405**
FORMOUSSE 300 RESIN	2 kg	**FRB 302**
	5 kg	**FRB 305**
FORMOUSSE 200 RESIN	2 kg	**FRB 202**
	5 kg	**FRB 205**
HARDENER MD*	2 kg	**DMD 002**
	5 kg	**DMD 005**

* As of August 24, 2023, proper training is required prior to any industrial or professional use.

> HARD FOAMS

ORTHOLEGERE 60

Hard foam, highly expanded

*HARDENER MD**

Workshop sheet	
Expansion start time at 20°C	40 s
End of expansion	2 min
Removal from mould	20 min
Expansion	11.1
Density	90 g/L
Resin/Hardener	100:100
Hardness	40 Shore A



POSITIVE CORSET IN ORTHOLEGERE 60

Hard foam highly expanded (11.1 times), two-component. In free expansion or slightly compressed, ORTHOLÉGÈRE is designed to fill hollow volumes. This foam can tolerate thermoforming up to 200°C.

Compressed, ORTHOLÉGÈRE 60 can be used for milling blocks of different density (from 65 to 115 g/l) depending the level of compression.

APPLICATIONS IN PROSTHETICS AND ORTHOTICS

ORTHOLÉGÈRE foam can be used to fill seat- corset **buttress or to replace plaster for the realisation of positive seat-corset or orthosis for lower limb.**

NAME	PACKAGING	REFERENCES
ORTHOLEGERE 60 RESIN	2 kg	**ORT R12**
	5 kg	**ORT R15**
HARDENER MD*	2 kg	**DMD 002**
	5 kg	**DMD 005**

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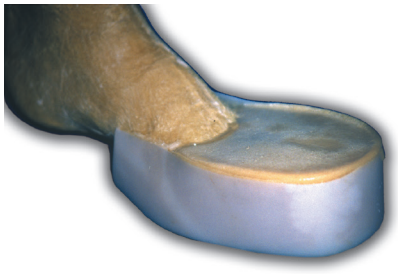
> HARD ELASTOMER

RESIDUR

Hard elastomer

*HARDENER MD**

Workshop sheet	
Mixing time	20 / 25 s
Gel time	1 min 30 s
Demolding time	15 min
Complete hardening time	4 h
Density	1 030 g/L
Resin/Hardener	100:45 to 100:55
Hardness	60 to 70 Shore D



SHAPE EXTENSION IN RESIDUR

Two components hard elastomer unfilled which provides a compact material without bubbles, rigid and hard, which can be flexible depending on the ratio mix used (100:45 : slightly flexible; 100:50 : very slightly flexible ; 100:55 : rigid).

RESIDUR can be screwed, nailed, stapled and can be worked as wood. Slight shrinkage after polymerization : 1.2 %.

RESIDUR can also be used as a rigid glue on a lot of rigid materials such as wood (dry).

APPLICATIONS IN ORTHOPAEDIC FOOTWEAR

Used to form the extremity of shapes in FORMOUSSE. After complete cooling, RESIDUR is resistant to compression during thermoforming.

NAMES	PACKAGING	REFERENCES
RESIDUR BLUE RESIN	2 kg	**REDB R02**
	5 kg	**REDB R05**
HARDENER MD*	2 kg	**DMD 002**
	5 kg	**DMD 005**

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> SUPPLE FOAMS

SIPMOUSSE SUPPLE

Elastic, expanded foam

*HARDENER MS**

Workshop sheet

SIPMOUSSE 50 LIGHT

Expansion start time at 20°C	30 sec
End of expansion	2 min
Removal from mold	1 h
Expansion	x 18
Density	55 g/L
Resin/Hardener	100:80
Hardness	35 Shore 00

SIPMOUSSE 80

Expansion start time at 20°C	35 sec
End of expansion	3 min
Removal from mold	45 mn
Expansion	x 12
Density	80 g/L
Resin/Hardener	100:50
Hardness	5 Shore 00

SIPMOUSSE 70/30

Expansion start time at 20°C	35 sec
End of expansion	2 min 30
Removal from mold	45 mn
Expansion	x 12
Density	80 g/L
Resin/Hardener	100:56
Hardness	20 Shore 00

SIPMOUSSE 30/70

Expansion start time at 20°C	30 sec.
End of expansion	3 min
Removal from mold	45 min
Expansion	x 12
Density	80 g/L
Resin/Hardener	100:60
Hardness	40 Shore 00

Supple and nervous foams, 2 components. Several consistencies are available. After polymerization, SIPMOUSSE SUPPLE foams can be easily worked on a router to give a nice surface finish. These foams can be colored and recovered with our elastic and resistant coating : ERGOPEAU or ERGOFLEX.

APPLICATIONS IN PROSTHETICS AND ORTHOTICS

These foams are used primarily to realize injected cushion seats, in cutom seats and cosmetics.

■ SIPMOUSSE SUPPLE	
SIPMOUSSE SUPPLE **50 light**	*the most expanded*
SIPMOUSSE SUPPLE **80 supple**	*the most supple*
SIPMOUSSE SUPPLE **70/30 medium**	*intermediairy*
SIPMOUSSE SUPPLE **30/70 firme**	*the firmer*

NAMES	PACKAGING	REFERENCES
SIPMOUSSE SUPPLE 50 LIGHT RESIN	2 kg	**MSH R02**
	5 kg	**MSH R05**
SIPMOUSSE SUPPLE 80 RESIN	2 kg	**MSP R02**
	5 kg	**MSP R05**
SIPMOUSSE SUPPLE 70/30 MEDIUM RESIN	2 kg	**MSL R02**
	5 kg	**MSL R05**
SIPMOUSSE SUPPLE 30/70 FIRME RESIN	2 kg	**MST R02**
	5 kg	**MST R05**
HARDENER MS*	2 kg	**DMS 002**
	5 kg	**DMS 005**

* As of August 24, 2023, proper training is required prior to any industrial or professional use

> SUPPLE FOAMS

SIPMOUSSE ESTHETIC

Elastic, firm and lightweight foam

*HARDENER MS**

Workshop sheet	
Expansion start time at 20°C	35 sec
End of expansion	3 min 35 sec
Removal from mold	1 h
Density	80 g/L
Resin/Hardener	100:80
Hardness	50 Shore 00

Supple and nervous foam, two-component which offer an homogenous material, consistent which can support high pressure without totally crushing.

This foam can be colored and recovered by our elastic and resistant coating : ERGOFLEX.

APPLICATIONS IN PROSTHETICS AND ORTHOTICS

These foams have been especially designed for the realization of tibialis cosmetics.

NAMES	PACKAGING	REFERENCES
SIPMOUSSE ESTHETIC RESIN	2 kg	**MSC R02**
	5 kg	**MSC R05**
HARDENER MS*	2 kg	**DMS 002**
	5 kg	**DMS 005**

*As of August 24, 2023, proper training is required prior to any industrial or professional use.

> COATING

ERGOPEAU & ERGOFLEX

Elastic and waterproof coating

Workshop sheet

Application:

- First coat: Apply close to the surface (about 10 cm) to impregnate the foam.

- Subsequent coats: Spray from 25–30 cm, using cross passes for an even and homogeneous distribution.

- Layering: More coats = stronger film but less elasticity.

Indicative consumption: approx. 1 L/m².

Drying time at 20° C:

- **ERGOPEAU** 24 h

- **ERGOFLEX** 1 h

Colorants: Maximum 2% by weight (e.g., 10 g for 500 g), mix until homogeneous without using electric mixers.

ERGOPEAU and ERGOFLEX are coatings based on thermoplastic polyurethane (TPU) for surface finishing of flexible or rigid materials. They can be tinted by adding our paste colorants (white, black, green, blue, yellow, red, light flesh, or dark flesh), up to a maximum of 2% by weight.

ERGOPEAU forms a flexible, highly elastic, satin-like skin that is water-resistant but not airtight, with no shrinkage after curing.

- Drying time: 24 hours.

- Finish: Smooth and satin.

- Applications : for coating, waterproofing and finishing seat-braces, mattresses, and AK/BK cosmetic covers.

ERGOFLEX forms a flexible, water-resistant skin with a smooth, matte, and uniform finish , with slight shrinkage after curing that helps mask surface imperfection.

- Drying time: 1 hour.

- Finish: Matte and uniform

- Applications : for coating, waterproofing and finishing seat-braces, mattresses, and AK/BK cosmetic covers, tibial or femoral esthetic.

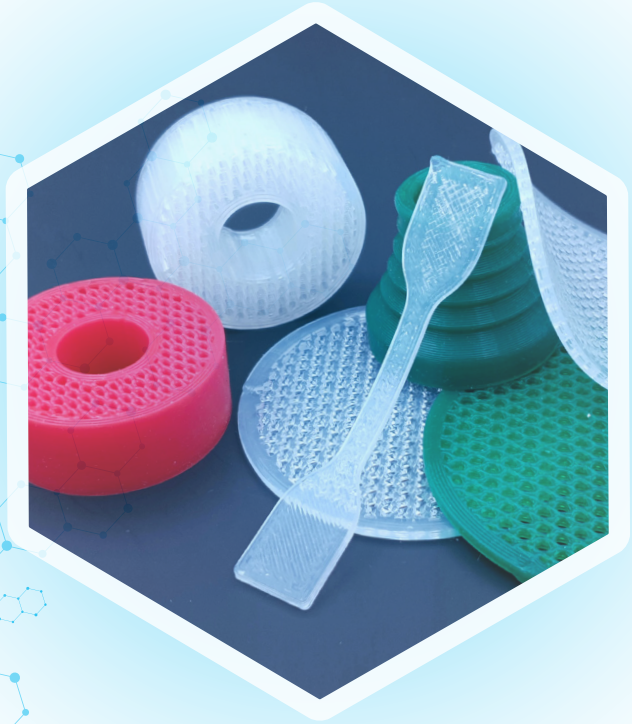
Tap available for purchase.

NAMES	PACKAGING	REFERENCES
ERGOPEAU RESIN	1 L	**EGE3 R01**
	5 L	**EGE3 R05**
	25 L	**EGE3 R25**
	57 L	**EGE3 R57**
ERGOFLEX RESIN	1 L	**EFX R01**
	5 L	**EFX R05**
	25 L	**EFX R25**
	57 L	**EFX R57**
ERGOPEAU PRIMER	1 L	**PPE R01**
	5 L	**PPE R05**
TAP-STOPPER FOR 30 L CAN	per unit	**ROB 004**
	pack of 10	**ROB 014**

This coating must be used with a vapor aspiration system. To choose the right aspiration system, please contact us.

> Flash to watch the video

· SILICONE



SILICONE FOR 3D PRINTING

The 3D printing is at the heart of many research themes. The possibilities it offers in terms of design, aesthetics, speed of conception, functionalisation and lightening of structures make it an essential tool for many industries, and in particular for external orthopaedics device, which is evolving in the field of personalisation.

> ELASTOMERS

COPSIL 3D ®

Printed silicone elastomers

Workshop sheet

COPSIL 3D® 0550

Resin/Hardener	1:5
Hardness	05 Shore A
Working time in the mixer*	50 min

COPSIL 3D® 1050

Resin/Hardener	1:5
Hardness	10 Shore A
Working time in the mixer*	50 min

COPSIL 3D® 2550

Resin/Hardener	1:5
Hardness	25 Shore A
Working time in the mixer*	50 min

COPSIL 3D® 4050

Resin/Hardener	1:1
Hardness	40 Shore A
Working time in the mixer*	50 min

* measurements made at 20°C

The COPSIL 3D ® range is intended for the manufacture of flexible parts of complex design or manufactured in small series (prototyping). The printed silicone elastomers have mechanical characteristics at least equivalent to those of parts made by moulding or injection.

COPSIL 3D ® silicone elastomers consist of a two-component system (resin and hardener) mixed in 1:5 parts and 1:1 (COPSIL 3D 4050). They are cross-linked at room temperature by polyaddition reaction with a platinum-based catalyst. They are certified for skin contact according to ISO 10993-5.

NAMES	PACKAGING	REFERENCES
COPSIL 3D 0550	KIT 6 x 50 ml	**3D0550 S055**
	KIT 6 x 850 ml	**3D0550 C850**
COPSIL 3D 1050	KIT 6 x 50 ml	**3D1050 S055**
	KIT 6 x 850 ml	**3D1050 C850**
COPSIL 3D 2550	KIT 6 x 50 ml	**3D2550 S055**
	KIT 6 x 850 ml	**3D2550 C850**
COPSIL 3D 4050	KIT 2 x 50 ml	**3D4050 S055**
	KIT 2 x 850 ml	**3D4050 C850**





> GELS

COPSIL GEL 00 & 25

Soft and elastic gels, with fast or slow return

Workshop sheet

COPSIL GEL-00

Working time at 20 °C	1 h 40 min
Demolding time at 20°C	6 h
Final hardening time	24 h
Resin/Hardener	1:1
Hardness	0 Shore 00

COPSIL GEL-25

Working time at 20 °C	1 h 30 min
Demolding time at 20°C	3 h
Final hardening time	24 h
Resin/Hardener	1:1
Hardness	25 Shore 00

The silicone gels COPSIL GEL are two-component systems (resin and hardener) which are very fluid. They can be mixed in equal parts and cure at room temperature by polyaddition reaction with a platinum catalyst which can be accelerated with heat.

The COPSIL GEL-00 is a translucent, compact and very supple material. Its hardness is non measurable (Shore 00) because it is too soft. Regarding its viscoelasticity it is classified as «slow return» silicone gel.

The COPSIL GEL-25 hardness is 25 Shore 00. It has a sticky feel. It can be used in contact with skin as it respect the ISO 10993-5 standard.

APPLICATIONS

COPSIL GEL-00 & 25 are primarily dedicated to anti-bedsores sheets.

NAMES	PACKAGING	REFERENCES
COPSIL GEL-00	KIT 1 KG (500 g + 500 g)	**GLCS-00 01**
	KIT 10 KG (5 kg + 5 kg)	**GLCS-00 10**
	KIT 50 KG (25 kg + 25 kg)	**GLCS-00 50**
COPSIL GEL-25	KIT 1 KG (500 g + 500 g)	**GLC-25 01**
	KIT 10 KG (5 kg + 5 kg)	**GLC-25 10**
	CARTRIDGE (2 x 200 ml)	**GLC-25 C400**

> ELASTOMER

COPSIL DUPLICATOR

Impression silicone

Workshop sheet:	
Working time at 20 °C	3 min
Demolding time at 20°C	10 min
Final hardening time	15 min
Resin/Hardener	1:1
Hardness	22 Shore A

The COPSIL DUPLICATOR is a two-component silicone system. Mixed in equal parts and cured at room temperature by polyaddition reaction with a platinum catalyst which can be speeded with heat. After polymerization the material is dry, translucent, compact, very resistant and its hardness is 30 Shore A.

COPSIL DUPLICATOR can be used in contact with the skin as it complies with the ISO 10993-5 standard.

APPLICATIONS

The COPSIL DUPLICATOR is mainly used to take impression directly on the skin.



CAST TAKING IN DUPLICATOR AND PLASTER DUPLICATION

NAME	PACKAGING	REFERENCES
COPSIL DUPLICATOR	KIT 1 KG (500 g + 500 g)	**DUP 01**
	KIT 10 KG (5 kg + 5 kg)	**DUP 10**

> ELASTOMERS

COPSIL

Silicone elastomer

Workshop sheet:

	COPSIL 2		COPSIL 3	COPSIL 5		COPSIL 12	
	normal	fast	fast	normal	fast	normal	fast
Working time at 20 °C	50 min	20 min	25 min	1 h	20 min	1 h	30 min
Demolding time at 20°C	3 h 30	1 h 30	45 min	2 h	45 min	2 h	1 h 15
Elongation at break	500 %		870 %	800 %		550 %	
Mix viscosity	7 000 mPa.s	5 000 mPa.s	6 000 mPa.s	5 500 mPa.s		6 000 mPa.s	6 000 mPa.s
Hardness	2 Shore A		3 Shore A	5 Shore A		12 Shore A	

Specificity

> The whole COPSIL range can be used in contact with skin as it respects the ISO 10993-5 standard.

> Density 1

> Resin/Hardener 1:1

Polyaddition silicone range, translucent, two-component and skin contact. COPSIL range is composed of silicone more or less fluid which have very good mechanical properties.

Sold in liquid ready to mix with a 1:1 ratio. They are also available in cartridges and can be cast with a Silijet machine.

APPLICATIONS

Designed to make silicone liners, patellar rings, etc.



CUSTOM LINER IN COPSIL

NAMES	PACKAGING	REFERENCES
COPSIL 2 NORMAL	KIT 1 KG (500 g + 500 g)	**T-02SN 01**
	KIT 10 KG (5 kg + 5 kg)	**T-02SN 10**
	KIT 50 KG (25 kg + 25 kg)	**T-02SN 50**
COPSIL 2 FAST	KIT 1 KG (500 g + 500 g)	**T-02SR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-02SR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-02SR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-02SR C400**
COPSIL 3 FAST	KIT 1 KG (500 g + 500 g)	**T-03TR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-03TR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-03TR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-03TR C400**
COPSIL 5 NORMAL	KIT 1 KG (500 g + 500 g)	**T-05TN 01**
	KIT 10 KG (5 kg + 5 kg)	**T-05TN 10**
	KIT 50 KG (25 kg + 25 kg)	**T-05TN 50**
COPSIL 5 FAST	KIT 1 KG (500 g + 500 g)	**T-05TR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-05TR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-05TR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-05TR C400**
COPSIL 12 NORMAL	KIT 1 KG (500 g + 500 g)	**T-12TN 01**
	KIT 10 KG (5 kg + 5 kg)	**T-12TN 10**
	KIT 50 KG (25 kg + 25 kg)	**T-12TN 50**
COPSIL 12 FAST	KIT 1 KG (500 g + 500 g)	**T-12TR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-12TR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-12TR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-12TR C400**

> ELASTOMERS

COPSIL

Silicone elastomer

Workshop sheet:

	COPSIL 16	COPSIL 20		COPSIL 40	
	fast	normal	fast	normal	fast
Working time at 20 °C	30 min	40 min	25 min	20 min	10 min
Demolding time at 20°C	50 min	4 h	2 h	12 h	50 min
Elongation at break	500 %	650 %	650 %	250 %	300 %
Mix viscosity	6 000 mPa.s	6 000 mPa.s	6 000 mPa.s	45 000mPa.s	60 000 mPa.s
Hardness	16 Shore A	20 Shore A		40 Shore A	

NAMES	PACKAGING	REFERENCES
COPSIL 16 FAST	KIT 1 KG (500 g + 500 g)	**T-16SR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-16SR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-16SR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-16SR C400**
COPSIL 20 NORMAL	KIT 1 KG (500 g + 500 g)	**T-20TN 01**
	KIT 10 KG (5 kg + 5 kg)	**T-20TN 10**
	KIT 50 KG (25 kg + 25 kg)	**T-20TN 50**
COPSIL 20 FAST	KIT 1 KG (500 g + 500 g)	**T-20TR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-20TR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-20TR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-20TR C400**
COPSIL 40 NORMAL	KIT 1 KG (500 g + 500 g)	**T-40TN 01**
	KIT 10 KG (5 kg + 5 kg)	**T-40TN 10**
	KIT 50 KG (25 kg + 25 kg)	**T-40TN 50**
COPSIL 40 FAST	KIT 1 KG (500 g + 500 g)	**T-40TR 01**
	KIT 10 KG (5 kg + 5 kg)	**T-40TR 10**
	KIT 50 KG (25 kg + 25 kg)	**T-40TR 50**
	CARTRIDGE *(2 x 200 ml)*	**T-40TR C400**

> ELASTOMERS

COPSIL SOCKET

Silicone elastomer

Workshop sheet:	
Working time at 20 °C	30 min
Demolding time at 20°C	1 h
Density	1.1
Resin/Hardener	1:1
Hardness	40 Shore A



SOFT SOCKET IN COPSIL SOCKET

Polyaddition silicone, fluid, translucent, two-component and easy to demold. **COPSIL SOCKET** has an extremely high viscosity. This product is used to make a soft socket (in orthopedics), molds that reproduce details perfectly, and resistant parts. Sold in liquid ready to mix with a 1:1 ratio.

APPLICATIONS Prosthetics

Designed to make soft sockets, molds or for prototyping.

NAME	PACKAGING	REFERENCES
COPSIL SOCKET	KIT 1 KG (500 g + 500 g)	**CSS 01**
	KIT 10 KG (5 kg + 5 kg)	**CSS 10**
	KIT 50 KG (25 kg + 25 kg)	**CSS 50**
	CARTRIDGE (2 x 200 ml)	**CSS C400**

> ELASTOMERS

COPSIL 65

Silicone elastomer very firm

Workshop sheet	
Working time at 20 °C	3 min
Removal from mold at 20°C	15 min
Final hardening time	40 min
Density	1.1
Resin/Hardener	1:1
Hardness	65 Shore A

Reinforced polyaddition silicone. Two-component system with a very high hardness, about 65 Shore A. Slightly elastic and very tough. Sold in liquid form ready-to-use

APPLICATIONS

Especially designed to copy temporary sockets.

NAME	PACKAGING	REFERENCES
COPSIL 65	KIT 1 KG (500 g + 500 g)	**CF-65SR 01**
	KIT 10 KG (5kg + 5 kg)	**CF-65SR 10**



SOCKET DUPLICATION IN COPSIL 65

> PASTES

COPSIL HTV

ONE COMPONENT

Workshop sheet	
Post curing	1 h at 110°C
Density	1.1
Hardness	
COPSIL HTV 35	35 Shore A
COPSIL HTV 55	55 Shore A
COPSIL HTV 70	70 Shore A



COPSIL HTV

COPSIL HTV are high temperature vulcanization silicone elastomers with high mechanical properties. They crosslink at heat by polyaddition reaction thanks to a platinum salt based catalyst.

COPSIL HTV are available in three hardnesses :

- 35 Shore A
- 55 Shore A
- 70 Shore A

Silicone pieces from COPSIL HTV are implemented thanks to a calendering machine and crosslink within 1 hour at 110°C only. They can be colored thanks to our range of coloring agents in paste designed for HTV silicones. Do not use nitrile or latex gloves for platinum cured silicones

APPLICATIONS

Manufacturing of prosthetic (socket, partial amputation, etc.) and orthosis.

NAME	PACKAGING	REFERENCES
ONE-COMPONENT (1K)		
COPSIL HTV 35 MONO COMPONENT	2 kg	**HTV35 M02**
COPSIL HTV 55 MONO COMPONENT	2 kg	**HTV55 M02**
COPSIL HTV 70 MONO COMPONENT	2 kg	**HTV70 M02**

> PASTE

SIPORTHO

Silicone in paste

Workshop sheet	
Mixing time	2 min
Final hardening time 20°C	5 min
Resin/Hardener	1:1
Hardness >	
SIPORTHO 20	20 Shore A
SIPORTHO 35	35 Shore A
SIPORTHO 50	50 Shore A

SIPORTHO paste is a multi-functional solution used in orthopaedics to fill gaps and forms, or to protect parts before lamination. It is also suitable for certain types of impression-taking, modelling and copying, as well as specific podiatric applications, such as toe orthoses.

- SIPORTHO 20 **Soft silicone in paste**
- SIPORTHO 35 **Firm silicone in paste**
- SIPORTHO 50 **Very firm silicone in paste**

APPLICATIONS

To fill gaps and forms





COLOR OF RESINS



COLOURS OF HARDENERS

NAME	PACKAGING	REFERENCES
SIPORTHO 20	KIT 1 KG (500 g + 500 g)	**SIP20 01**
	KIT 2 KG (1 kg + 1 kg)	**SIP20 02**
	KIT 10 KG (5 kg + 5 kg)	**SIP20 10**
SIPORTHO 35	KIT 1 KG (500 g + 500 g)	**SIP35 01**
	KIT 2 KG (1 kg + 1 kg)	**SIP35 02**
	KIT 10 KG (5 kg + 5 kg)	**SIP35 10**
SIPORTHO 50	KIT 1 KG (500 g + 500 g)	**SIP50 01**
	KIT 2 KG (1 kg + 1 kg)	**SIP50 02**
	KIT 10 KG (5 kg + 5 kg)	**SIP50 10**

> FINISHING COAT

SILISKIN

Soft-touch silicone coating

Workshop sheet	
Resin/Hardener/Powder	1:1:0.3
Mixing time	1 min
Pot life	36 h
Coefficient of friction	0.9
Consumption	150 to 200 g by m^2
Post cure	30 min at 100°C

Slippery finishing coat with soft touch effect for COPSIL silicones RTV, HTV and LSR silicone. SILISKIN coating drastically reduces the coefficient of friction of silicone surfaces. It is extremely flexible and does not stiffen its support.

It is applied in a thin layer and cures with cooking. Measuring spoon available for purchase.

APPLICATIONS: research for a soft, slippery, feel of cured silicones, limit dirt build-up





NAMES	PACKAGING	REFERENCES
STARTER KIT SILISKIN	100 g + 100 g + 30 g	**SKS 001**
SILISKIN COATING	KIT 200 G (100 g + 100 g)	**VSK 200**
	KIT 1 KG (500 g + 500 g)	**VSK 01**
	KIT 10 KG (5 kg + 5 kg)	**VSK 10**
SILISKIN POWDER	30 g	**PSK 030**
	150 g	**PSK 150**
	1.5 kg	**PSK 015**
MEASURING SPOON	per unit	**CDO 001**
	pack of 10	**CDO 010**
SPRAY GUN TREND HD + 600 ML GRAVITY FEED PAINT CUP	per unit	**PIS E01**
600 ML GRAVITY FEED PAINT CUP	per unit	**GOD 004**
METAL TURBINE D. 45 MM	per unit	**AGR 001**



> SHEETS

SILICONE SHEET



SILICONE GEL SHEET

Covered with a PU film.

Transparent silicone gel sheet with a hardness Shore 00 (not measurable due to its softness). Sticky on the surface, elastic and resistant, it is covered on both sides with a thin removable (or not) film of supple polyurethane (25 µm).

APPLICATIONS

Designed to be incorporated in various custom seats or orthoses to avoid pressure sores.

NAMES	PACKAGING	REFERENCES
SILICONE GEL SHEET 400 x 400 x 3 mm	per unit	**PGS 003**
SILICONE GEL SHEET 400 x 400 x 6 mm	per unit	**PGS 006**
SILICONE GEL SHEET 400 x 400 x 10 mm	per unit	**PGS 010**
SILICONE GEL SHEET 400 x 400 x 15 mm	per unit	**PGS 015**
SILICONE GEL SHEET 400 x 400 x 3 mm + TAPE	per unit	**PGS 003_FA**
SILICONE GEL SHEET 400 x 400 x 6 mm + TAPE	per unit	**PGS 006_FA**
SILICONE GEL SHEET 400 x 400 x 10 mm + TAPE	per unit	**PGS 010_FA**
SILICONE GEL SHEET 400 x 400 x 15 mm + TAPE	per unit	**PGS 015_FA**
SILICONE GEL SHEET 400 x 400 x 3 mm + TAPE (WITHOUT PRIMER)	per unit	**PGS 003_SP**
SILICONE GEL SHEET 400 x 400 x 6 mm + TAPE (WITHOUT PRIMER)	per unit	**PGS 006_SP**
SILICONE GEL SHEET 400 x 400 x 10 mm + TAPE (WITHOUT PRIMER)	per unit	**PGS 010_SP**
SILICONE GEL SHEET 400 x 400 x 15 mm + TAPE (WITHOUT PRIMER)	per unit	**PGS 015_SP**

· REINFORCEMENT

ORTHOFLAX®

Flax fiber

ORTHOFLAX® reinforcement has been especially developed and patented for orthopedic devices. Flax fiber provides to the composite some properties never reached by the conventional fibers. Can be used with our ORTHOPOXY® resins and also our COPACRYL resins.

APPLICATIONS in Prosthetics and orthotics : Reinforcement for all types of sockets and other splinting devices.



ORTHOFLAX® BRAIDS

Braids knit with flax fibers.

NAMES	WEIGHT	PACKAGING	REFERENCES
ORTHOFLAX BRAID D. 130 mm - 5 m	130 g/m	5 m roll	**B130 005**
ORTHOFLAX BRAID D. 150 mm - 5 m	203 g/m	5 m roll	**B150 005**



ORTHOFLAX® NON WOVEN

Non woven fabrics made with flax fibers : unidirectional tape (15 g/m),

NAMES	WIDTH (MM)	PACKAGING	REFERENCES
ORTHOFLAX TAPE	50 mm	50 m roll	**TAP 050**



ORTHOFLAX® WOVEN

Twill 2/2 (300 g/m^2).

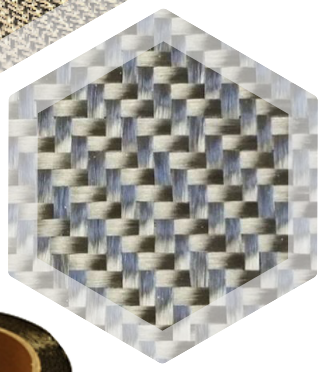
NAMES	WIDTH (MM)	PACKAGING	REFERENCES
ORTHOFLAX TWILL 2/2	1000 mm	5 m roll	**SE1 005**
		10 m roll	**SE1 010**
		20 m roll	**SE1 020**
		50 m roll	**SE1 050**

ECO-BLACK
Basalt fibers

Reinforcement range made with basalt fibers. A compromise between carbon and glass fiber. ECO-BLACK reinforcement can be used with our ORTHOPOXY® resins and also our COPACRYL resins.

APPLICATIONS in Prosthetics and orthotics : Reinforcement for all types of sockets and other splinting devices.







ECO-BLACK BRAIDS

Braids knited with basalt fibers.

NAMES	WEIGHT	PACKAGING	REFERENCES
ECOBLACK BRAID D.130 mm - 5 m	244 g/m	5 m roll	**BB130 005**
ECOBLACK BRAID D.150 mm - 5 m	286 g/m		**BB150 005**
ECOBLACK BRAID D. 225 mm - 5 m	454 g/m		**BB225 005**

ECO-BLACK TWILL 2/2

Twill 2/2 cloth with basalt fibers (200 g/m^2)

NAMES	WIDTH	PACKAGING	REFERENCES
ECOBLACK TWILL 2/2 (1270 mm) - 1 m	1 270 mm	1 m	**SE2 001**
ECOBLACK TWILL 2/2 (1270 mm) - 5 m		5 m roll	**SE2 005**

ECO-BLACK NON WOVEN

Unidirectional tape made with basalt fibers (27 g/m).

NAME	WIDTH	PACKAGING	REFERENCES
ECOBLACK TAPE (50 mm) - 50 m	50 mm	50 m roll	**TAP 250**

HYBRIDS Flax / Basalt

Reinforcement range made with flax and basalt which permits to combine flax and basalt properties. These reinforcements can be used with our ORTHOPOXY® resins and also our COPACRYL resins.

APPLICATIONS in Prosthetics and orthotics : Reinforcement for all types of socket and other splinting devices.





HYBRIDS BRAIDS

Braids knited with flax and basalt fibers.

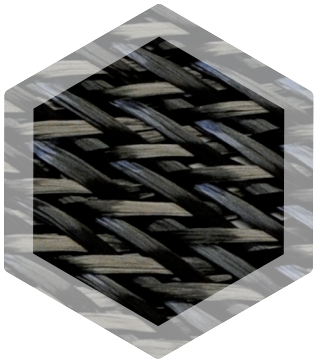
NAMES	WEIGHT	PACKAGING	RÉFÉRENCES
HYBRID BRAID D. 130 mm - 5 m	190 g/m	5 m roll	**LB130 005**
HYBRID BRAID D.150 mm - 5 m	357 g/m		**LB150 005**

HYBRIDS NON WOVEN

Unidirectional tape made with flax and basalt fibers (22 g/m).

NAME	DIAMETER	PACKAGING	REFERENCES
HYBRID TAPE (50 mm) - 50 m	50 mm	50 m roll	**TAP 150**

CARBON

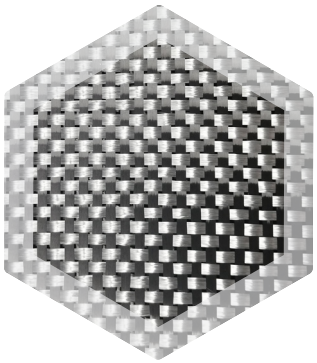


CARBON BRAIDS

Carbon braid. These braids are available in 2 diameters (tibial and femoral) and are sold by the kg.

APPLICATIONS in **Prosthetics and orthotics**
Reinforcement of all types of tubular devices.

NAMES	WEIGHT	PACKAGING	REFERENCES
TUBULAR CARBON FIBRE BRAID D.125 MM	272 g/m	1 kg (3.7 m at 45°)	**GCA 001**
TUBULAR CARBON FIBRE BRAID D.200 MM	326 g/m	1 kg (3.1 m at 45°)	**GCA 002**



WOVEN CARBON MAT

Woven mat at 200 g/m², sold by linear meter.

APPLICATIONS in **Prosthetics and orthotics**
Reinforcement for prosthetic sockets or orthoses.

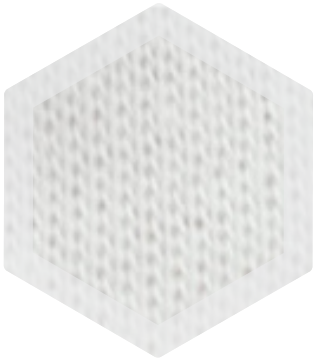
NAME	PACKAGING	REFERENCES
CARBON WOVEN MAT	by linear meter	**TCA 001**

JERSEY

Tubular sheaths

Sold by the kilo. 3 diameters available.

APPLICATIONS in **Prosthetics and orthotics**
Reinforcement of all types of tubular devices (rigid sockets).



PERLON® *Fibers*

NAMES	PACKAGING	REFERENCES
TUBULAR PERLON SHEATH D. 10 CM	1 kg (37 m)	**PER 010**
TUBULAR PERLON SHEATH D. 12 CM	1 kg (33 m)	**PER 012**
TUBULAR PERLON SHEATH D. 15 CM	1 kg (27 m)	**PER 015**

GLASS

Tubular sheaths

Sold by the kilo.

APPLICATIONS in **Prosthetics and orthotics :** Reinforcement of all types of tubular devices.



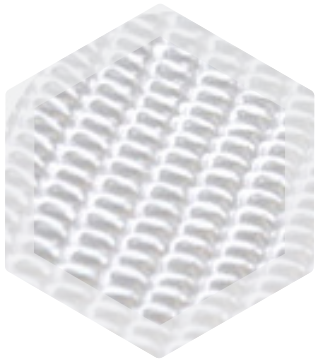
NYLGLASS® & STRETCHNYLGLASS®

30% polyamide and 70% glass

STRETCHNYLGLASS® is more elastic than traditional NYLGLASS®. White color.

NAMES	PACKAGING	REFERENCES
TUBULAR NYLGLASS SHEATH D. 15 CM	1 kg (23 m)	**NYL 015**
TUBULAR NYLGLASS SHEATH D. 20 CM	1 kg (18 m)	**NYL 020**

NAMES	PACKAGING.	REFERENCES.
TUBULAR STRECHTNYLGLASS D. 9 CM	1 kg (33 m)	**SNY 009**
TUBULAR STRECHTNYLGLASS D. 12 CM	1 kg (25 m)	**SNY 012**
TUBULAR STRECHTNYLGLASS D. 15 CM	1 kg (21 m)	**SNY 015**



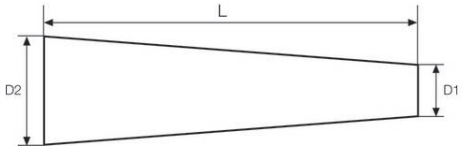
100% GLASS

NAMES	PACKAGING	REFERENCES
TUBULAR GLASS SHEATH D. 15 CM	1 kg (9 m)	**TVE 015**
TUBULAR GLASS SHEATH D. 20 CM	1 kg (7 m)	**TVE 020**

> LAMINATION

ACCESSORIES FOR LAMINATION





PVA BAGS

Standard PVA bags. 5 sizes are available.

APPLICATIONS

Plaster insulation for sockets or liners lamination.

NAMES	L X D1 X D2	PACKAGING	REFERENCES
PVA BAG SIZE 2	102 x 5 x 15 cm	Pack of 20	**PVA 015**
PVA BAG SIZE 3	102 x 5 x 20 cm		**PVA 020**
PVA BAG SIZE 4	102 x 5 x 25 cm		**PVA 025**
PVA BAG SIZE 5	102 x 5 x 30 cm		**PVA 030**
PVA BAG SIZE 6	102 x 5 x 35 cm		**PVA 035**



NON-WOVEN FELT

Non-woven mat at 200 g/m². Available in sheet 2 m (1.5 m width).

APPLICATIONS in Prosthetics and Orthotics

As an inner layer to resin sockets, this mat gives a very smooth inner surface.

NAME	PACKAGING	REFERENCE
NON WOVEN FELT	sheet 2 m x 1.5 m	**FEU 001**



LYCRA TUBES

110 cm length, 20 denier thickness, sold in pack of 50 pieces.

NAME	PACKAGING	REFERENCE
LYCRA TUBES - 110 CM	pack of 50	**LYT 001**

> SILICONE LINERS

ACCESSORIES FOR SILICONE LINER



OUTER TEXTILE COVER

Abrasion-resistant self-smoothing textiles for the manufacturing of custom-made liners. Measuring 50 cm in length, they are available in two formats:

Size S

- Distal circumference: 31.5 cm
- Proximal circumference: 33 cm

Size L

- Distal circumference: 33 cm
- Proximal circumference: 34.5 cm

APPLICATIONS in Prosthetics and Orthotics

Custom-made liner manufacturing

NAMES	PACKAGING	REFERENCES
OUTER TEXTILE COVER – SIZE S (50/31.5/33)	per unit	**COV S01**
OUTER TEXTILE COVER - SIZE L (50/33/34.5)	per unit	**COV L01**

> SILICONE LINERS

ACCESSORIES FOR SILICONE LINER

MONO-ELASTIC TECHNICAL MATRIX

The matrix support and reinforce the distal attachments. They are mono-elastic distally, elastic proximally, and help counteract the effects of pistoning during the pendulum phase.

APPLICATIONS in Prosthetics and Orthotics

Custom-made liner manufacturing



SHORT (9 CM)

Proximal circumference: 15, 19, 22, 26, 29 and 31 cm.

NAMES	PACKAGING	REFERENCES
SHORT MATRIX - PINK (L 9 cm - CIRC 15 cm)	per unit	**MAT S01**
SHORT MATRIX - BLUE (L 9 cm - CIRC 19 cm)	per unit	**MAT S02**
SHORT MATRIX - YELLOW (L 9 cm - CIRC 22 cm)	per unit	**MAT S03**
SHORT MATRIX - RED (L 9 cm - CIRC 26 cm)	per unit	**MAT S04**
SHORT MATRIX - GREY (L 9 cm - CIRC 29 cm)	per unit	**MAT S05**
SHORT MATRIX - GREEN (L 9 cm - CIRC 31 cm)	per unit	**MAT S06**



LONG (38 CM)

Distal and proximal circumferences:

- 29 and 30 cm
- 32 and 33 cm

NAMES	PACKAGING	REFERENCES
LONG MATRIX - BLUE (L 38 cm - CIRC 30 cm)	per unit	**MAT L02**
LONG MATRIX - YELLOW (L 38 cm - CIRC 33 cm)	per unit	**MAT L03**



DISTAL ATTACHMENTS

For distal attachment liners. Available in 5 diameters. To be drowned into custom made liners.

APPLICATIONS in Prosthetics and Orthotics

For retention of liner to a lock.

NAMES	PACKAGING	REFERENCES
DISTAL ATTACHMENT SIZE 1 - D. 40 MM	per unit	**ATA F01**
DISTAL ATTACHMENT SIZE 2 - D. 50 MM	per unit	**ATA F02**
DISTAL ATTACHMENT SIZE 3 - D. 60 MM	per unit	**ATA F03**
DISTAL ATTACHMENT SIZE 4 - D. 70 MM	per unit	**ATA F04**
DISTAL ATTACHMENT SIZE 5 - D. 80 MM	per unit	**ATA F05**

> CARTRIDGE

CARTRIDGES, GUNS, MIXING TOOLS







COPSIL resins are available in two-component cartridge which allow to inject directly without bubbles.

Empty cartridges and accessories (joints and corks etc.) are available to pack by yourself COPSIL resins in cartridge.

Manual and pneumatic two-part gun are also available.

APPLICATIONS

Injection of silicone resins where the mix ratio is 1: 1.

NAMES	PACKAGING	REFERENCES
2 X 200 ML CARTRIDGE AND ACCESSORIES	pack of 5	**CAR 400**
PNEUMATIC TWO-COMPONENT GUN FOR 2X200 ML CARTRIDGES.	per unit	**PIS CP400**
TWO-COMPONENT MANUAL GUN FOR 2X200 ML CARTRIDGES	per unit	**PIS C400**
MIXING TOOLS 18 ELEMENTS FOR 2X200 ML CARTRIDGES	pack of 20	**EMB 818**
MIXING TOOLS 24 ELEMENTS FOR 2X200 ML CARTRIDGES	pack of 20	**EMB 824**

> COATING

SPRAY GUN and accessories



The spray gun has one product entry point at the top (gravity spray gun). The flask proposed is 600 mL capacity.

The standard nozzle is 1.5 but can take nozzles up to 3.5 mm. All parts in contact with the liquid are in stainless steel. Cleaning the gun after spraying is easy and flasks are available on request.

APPLICATIONS in Prosthetics and Orthotics

Allows a waterproof and resistant skin on supple foams.

NAME	PACKAGING	REFERENCES
SPRAY GUN TREND HD + 600 ML GRAVITY FEED PAINT CUP	per unit	**PIS E01**
600 ML GRAVITY FEED PAINT CUP	per unit	**GOD 004**

> SILICONE CASTING

RTV SILICONE CASTING MACHINE

SILIJET

The machine is equipped with two 2.5 litre product tanks and a manually operated dispensing gun. It is compact and specially designed for small production runs.

The machine uses high accuracy positive displacement piston pumps to provide a constant flow rate for 1:1 such as **COPSIL RTV**.

It is easily connected to the compressed air network..

- Compact and portable
- 5 kg capacity
- More economical and environmentally friendly than cartridges
- Can be sprayed

APPLICATIONS
In Prosthetics and Orthotics : custom-made silicone liner with **COPSIL** silicones.



NOMS	PACKAGING	RÉFÉRENCES
SILIJET - CASTING MACHINE		**SIL MC**
MIXING TOOLS SILIJET	pack of 20	**EMB 924**

TECHNICAL PRODUCTS

COLOURING AGENTS

For latex, PU, acrylics and RTV / HTV silicones

Workshop sheet :

- Do not use universal colouring agents.
- Depending on the nature of material use the corresponding colouring agent.
- Maximum concentration: 2% in weight.
- Mix well.

Our range of colouring agents is composed of 3 families :

- **Acrylic, PU,**
- **Silicone,**
- **Latex.**

REMARK

We advice not to put more than 2% in weight in your formulations. At higher level, coloring agent can bring release properties and reduce adhesion of coatings such as ERGOPEAU or ERGOFLEX.

COLOURING AGENTS FOR PU AND ACRYLIC			
	NAMES	PACKAGING	REFERENCES
	FLESH	250 g	CPU C01
	DARK FLESH	250 g	CPU CF1
	BLACK	250 g	CPU N01
	WHITE	250 g	CPU BL1
	RED	250 g	CPU R01
	GREEN	250 g	CPU V01
	YELLOW	250 g	CPU J01
	BLUE	250 g	CPU B01

COLOURING AGENTS FOR RTV SILICONE			
	NAMES	PACKAGING	REFERENCES
	FLESH	250 g	CSI C01
		500 g	CSI C02
	DARK FLESH	250 g	CSI CF1
		500 g	CSI CF2
	BLACK	250 g	CSI N01
		500 g	CSI N02
	WHITE	250 g	CSI BL1
		500 g	CSI BL2
	RED	250 g	CSI R01
		500 g	CSI R02
	GREEN	250 g	CSI V01
		500 g	CSI V02
	YELLOW	250 g	CSI J01
		500 g	CSI J02
	BLUE	250 g	CSI B01
		500 g	CSI B02

COLORING PASTE FOR HTV SILICONE			
	NAMES	PACKAGING	REFERENCES
	FLESH	50 g	CSH C50
		1 kg	CSH C01
	DARK FLESH	50 g	CSH CF50
		1 kg	CSH CF01
	BLACK	50 g	CSH N50
		1 kg	CSH N01
	WHITE	50 g	CSH BL50
		1 kg	CSH BL1
	RED	50 g	CSH R50
		1 kg	CSH R01
	YELLOW	50 g	CSH J50
		1 kg	CSH J01
	BLUE	50 g	CSH B50
		1 kg	CSH B01

> RELEASE AGENTS

RELEASE AGENT FOR HARD PU FOAM

Silicone spray

used with : FORMOUSSE

Workshop sheet

- Shake before use
- Spray in thin layers
- Drying time = 3 min
- Don't touch when the layer is dry.

This silicone spray is a sprayable release agent for hard polyurethane foams and elastomers.

It allows an easy separation from all surfaces except plaster.

Do not forget that nothing adheres on silicone except if you use a primary adhesive.

APPLICATIONS

Allows to remove hard foams from latex. Can be sprayed into PE pots to prevent mixed materials from sticking to the inside of the container. Do not use this release agent with ERGOPEAU.

NAME	PACKAGING	REFERENCES
SILICONE BASED RELEASE AGENT	500 ml aerosol	**ISA 001**

> RELEASE AGENT

RELEASE AGENT
for supple PU foams and Acrylics resins

Vaseline

Workshop sheet

- Application by brush in thin layers.
- Do not use Vaseline for rigid foams as FORMOUSSE or ORTHOLEGERE as this will create a soft surface to the foam.
- When the vaseline film is applied, do not touch it anymore

The vaseline is of pharmaceutical quality CODEX and has no risk of irritating the skin. It has the consistency of animal or vegetal fat and is neutral and unalterable in nature, with neither smell or taste. It is a universal release agent for flexible products and some rigid resins and acrylics.

APPLICATIONS

Universal separator for all rigid and flexible products.

NAME	PACKAGING	REFERENCES
VASELINE	500 ml	**VAS 001**
	5 L	**VAS 005**

> RELEASE AGENT

RELEASE AGENT Z 400-V2
for hard PU foams
Liquid silicone based

Workshop sheet

- Application by brush.
- Drying time at 20°C : 40 to 45 min.
- To facilitate separation apply a 2nd layer after the first is dry.
- Don't touch the silicone layer once it is dry
- Remove the piece when the foam is still warm but aldready hard.

It is made of a solvent which evaporates quickly and in which silicone has been incorporated. It is a universal release agent for all surfaces except plaster. It is very fluid and volatile.

APPLICATIONS

Universal separator for hard foams such FORMOUSSE or resins.

NAME	PACKAGING	REFERENCES
SILICONE RELEASE AGENT Z 400-V2	1 L	**DEZ-II 001**
	5 L	**DEZ-II 005**
	56 L	**DEZ-II 056**

TALC CODEX

Use as filler, sliding agent (liners, PVA bags) or release agent (thermoforming).

NAME	PACKAGING	REFERENCES
TALC CODEX	500 ml	**TAL 001**
	5 L	**TAL 002**
	30 L	**TAL 030**

INSULATORS

Workshop sheet :

Drying time of the latex skin :
> 20°C : 18 h

FOR SUPPLE FOAMS AND PLASTER *liquid latex*

Latex is a milky white product with a strong ammonia smell, which is used as an isolating agent via the thin rubber layer, is left once the water content has evaporated. You can also use the liquid latex by spraying it on fragile supports. The rubber film will then increase their resistance.

APPLICATIONS

In Prosthetics and Orthotics : It is used to manufacture injected seat corset . In this case, latex is sprayed onto the foam which provides resistance and waterproofing. **Podo-orthesis :** Usually used to insulate plaster molds to produce hard foam of feet from FORMOUSSE 450.

NAME	PACKAGING	REFERENCES
LIQUID LATEX	5 L	**ILX 005**
	200 L	**ILX 200**



FOR PLASTER

Liquid sealer for dry or wet plaster

LIQUID PLASTER SEALER forms a tight layer that makes it possible to waterproof wet plaster by creating a very thin, smooth, and dry film in just a few minutes. It is ready-to-use and formulated with natural thermoplastic resin.

NAME	PACKAGING	REFERENCES
PLASTER SEALER	500 ml	**IPL 500**
	1 l	**IPL 001**
	5 l	**IPL 005**



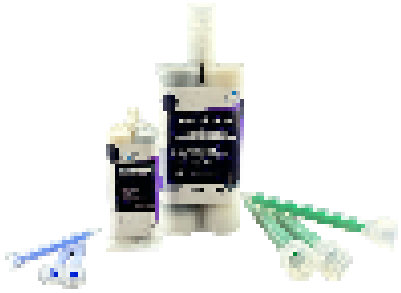
POLYETHYLENE FILM

APPLICATIONS

Prosthetics and Orthotics : To close off plaster casts prior to filled with ORTHOLEGERE or SIPMOUSSE SUPPLE. **Podo-orthesis :** Separation between patients and plaster casts.

NAMES	PACKAGING	REFERENCES
PE STRETCH FILM	150 x 0,10 m roll	**FIL 015**
	300 x 0,45 m roll	**FIL 045**

GLUES & ADHESIVES







BLACKGLUE 01

Non CMR Fast-setting non polyurethane adhesive*

APPLICATIONS Specially formulated for bonding, sealing and repairing a wide range of materials.

NAMES	PACKAGING	REFERENCES
BLACKGLUE 01 NON-CMR 50 ml	1 unit (+ 3 mixing tools)	**BG01 C501**
BLACKGLUE 01 NON-CMR 220 ml	1 unit (+ 3 mixing tools)	**BG01 C221**
MIXING TOOLS FOR 50 ML CARTRIDGES	3 units	**EMBC50 003**
	36 units	**EMBC50 036**
	144 units	**EMBC50 144**
MIXING TOOLS FOR 220 ML CARTRIDGES	3 units	**EMBC220 003**
	36 units	**EMBC220 036**
	144 units	**EMBC220 144**
TWO-COMPONENT GUN FOR 50 ML CARTRIDGE50 ML CARTRIDGES	1 unit	**PISC50 001**
TWO-COMPONENT GUN FOR 220 ML CARTRIDGE	1 unit	**PISC220 001**

*According with European Regulation No. 1272/2008, known as CLP for Classification, Labelling and Packaging, as of 13/10/2023.

ADHESIVE PE TAPE

reinforced or non-reinforced

APPLICATIONS Closing molds.

NAMES	PACKAGING	REFERENCES
ADHESIVE TAPE TRANSPARENT	55 mm x 60 m roll	**ADH 001**
ADHESIVE TAPE REINFORCED	50 mm x 50 m roll	**ADH A01**



SUPPLE CONTACT GLUE

APPLICATIONS Versatile adhesive to spray in thin layers.

NAMES	PACKAGING	REFERENCES
CONTACT GLUE	500 ml aerosol	**CPA 001**

GLUES & ADHESIVES

SILICONE GLUE

Mono-componenT, flexible, in cartridge



Mono-component and flexible glue drying with air humidity.
Allows silicone to be bonded to itself (without the use of a primer) or to another substrate. Can be diluted with our **SOLVANT S3**.

APPLICATIONS Sticking of a fabric on silicone (without using a primary),

NAME	PACKAGING	REFERENCES
SILICONE ACETOXY GLUE	310 ml cartridge (340g)	**COL A02**

ADHESION PRIMER PM82

for Silicone

Workshop sheet

Aspect	Liquid, fluid
Density	0.82
Viscosity	1 mPa.s at 25°C
Drying time	mini 15 min, max 6 h



Grip of the silicone on different supports.

APPLICATIONS The support must be dry, clean and perfectly free of grease. The solvent must be evaporated before pouring the silicone on the support it has to stick with (a white film must be seen).

NAME	PACKAGING	REFERENCES
PRIMER PM82	250 ml	**PM82**

> SILICONE ADDITIVES

THIXO SILICONE AGENT 92

for Silicone

APPLICATIONS It gels RTV silicones, giving it a thixotropic like behavior and allows adjustments when manufacturing custom made liner.

NAME	PACKAGING	REFERENCE
THIXO SILICONE AGENT 92	500 G	**AGT92 001**

SILICONE SOFTENING AGENT

APPLICATIONS Silicone oil to reduce silicone resin hardness.

NAMES	PACKAGING	REFERENCES
SILICONE SOFTENING AGENT	2 kg	**CNF-50 002**
	5 kg	**CNF-50 005**

SOLVENTS

ACETONE

Solvent and cleaner for the PU and the ERGOPEAU. very flammable, to be used with caution. (Read the safety labels).

APPLICATIONS Stain remover and degreasing agent.

NAME	PACKAGING	REFERENCES
ACETONE	1 L	**ACE 001**
	5 L	**ACE 005**
	60 L	**ACE 060**

ISOPROPYL ALCOHOL

Solvent and cleaning agent to be used with caution. Very flammable. (Read the safety labels)

APPLICATIONS Fluid cleaner for PU resins, acrylics and silicones. Stain removal and degreasing agent.

NAME	PACKAGING	REFERENCES
ISOPROPYL ALCOHOL	1 L	**ALC 001**
	5 L	**ALC 005**
	60 L	**ALC 060**
	200 L	**ALC 200**

SOLVENT S3 - SILICONE THINNER

Silicone thinner to be used with caution (Read the safety labels).

APPLICATIONS Used to dilute silicone glue and very viscous silicone elastomers.

NAME	PACKAGING	REFERENCES
SOLVANT S3	500 ml	**SVS3 500**
	1 L	**SVS3 001**
	5 L	**SVS3 005**

MEASURING & MIXING



SCALES

- **2 economic models are available depending on the volumes being weighted and the precision of weights required (2 kg / 1 g), (5 kg / 1 g).**

APPLICATIONS

Precise measuring of chemicals which is essential with PU resins, silicones, acrylics and epoxies.

NAMES	PACKAGING	REFERENCES
SCALE 2 kg / 1 g	per unit	**BAL 002**
SCALE 5 kg / 1 g	per unit	**BAL 003**



MEASURING SPOON 2 ML

For dosing SYD-II 101 acrylic hardener.

NAME	PACKAGING	REFERENCES
MEASURING SPOON 2 ml	per unit	**CDO 001**
	pack of 10	**CDO 010**

MIXERS



- 1 model in metal for PU foams
- wooden spatula for manual mixing of PU and silicones elastomers, acrylic and epoxies resins

APPLICATIONS

Homogeneous mixing of resins and their catalysts.

NAMES	PACKAGING	REFERENCES
METAL TURBINE D. 45 mm	per unit	**AGR 001**
WOODEN SPATULA	pack of 50	**SPA B01**

MIXING CONTAINERS



To obtain a consistent mix we have a series of polyethylene (reusable) pots and buckets in 6 sizes. Their smooth sides improve mixing and removal.

NAMES	PACKAGING	REFERENCES
TRANSPARENT 50 cl POT	pack of 50	**POT 102**
TRANSPARENT 100 cl POT		**POT 101**
BUCKET 2.8 L	pack of 5	**SDM 001**
BUCKET 5 L		**SDM 002**
BUCKET 30 L		**SDM 004**

MEASURING & MIXING

INJECTION TAP



TAP-CAP - D. 10 mm

NAME	PACKAGING	REFERENCE
TAP-CAP - D. 10 mm	per unit	**ROB 006**

TAPS

Low-flow dispensing tap cap adaptable to 5 L or 30 L can, and 60 L or 200 L drum.



TAP-CAP FOR 5 l CAN



TAP-CAP FOR 30 l CAN



TAP-CAP FOR 60 l AND 200 l DRUM

NAMES	PACKAGING	REFERENCES
TAP FOR 5 l CAN	pack of 10	**ROB 007**
TAP-CAP FOR 30 l CAN	per unit	**ROB 004**
TAP-CAP FOR 60 l AND 200 l DRUM	per unit	**ROB 001**

· SAFETY & PROTECTION

SUIT AND GLOVES



SAFETY SUITS

Disposable lightweight strong work suit. Made from polyethylene (protection category 3, type 4-5-6, to the standard CE 95-0302), it is impermeable to aerosols dust and liquid splashes. It also has a hood and elasticated cuffs and waist and a front zip. Available in 3 sizes : L, XL, XXL.

APPLICATIONS

Protection of people and clothing

NAMES	PACKAGING	REFERENCES
TIVEK SUIT - SIZE L	per unit	**COM 001**
TIVEK SUIT - SIZE XL	per unit	**COM 002**
TIVEK SUIT - SIZE XXL	per unit	**COM 003**

NITRILE AND VINYL GLOVES

Nitrile gloves for all kind of product.

⚠ Do not use latex gloves for platinum cured silicones

NAMES	PACKAGING	REFERENCES
NITRILE GLOVES - SIZE M	pack of 100	**GNT 001**
NITRILE GLOVES - SIZE L	pack of 100	**GNT L01**



MASKS AND GLASSES

DUST MASKS



For protection, especially from sanding the rigid and soft elastomers and foams products. Light, hygienic and comfortable, they are held in place with a double elastic band , and are in boxes of 10.

Protection category : EN 149 : 2001 +A1 : 2009 CE0086

NAMES	PACKAGING	REFERENCES
DUST MASKS FFP2	pack of 10	**MAS 001**

VAPOUR MASKS



To protect airways from organic gas or vapours, acid gas or vapours, ammonia and amines. They have a dust proof filter and an active carbon filter, needing no maintenance and disposable once saturated. It is suited for vapour protection from isocyanates from the reaction of our polyurethanes and hardener. These vapours also have suitable warning noticed, and the odour should not be smelt through the mask.

If it is smelly then it is time to change the filter.

The protection class is : FFABEK1P2SL.

NAMES	PACKAGING	REFERENCES
VAPOURS MASK for PU vapours	per unit	**MAS 002**

PROTECTION GLASSES



Translucid frame glasses for excellent frontal protection, and side screens on the arms. Excellent protection and comfort.

NAME	PACKAGING	REFERENCES
PROTECTION GLASSES	per unit	**LUN 001**

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