

SIPORTHO 20, 35 & 50

SIPORTHO 20, 35 & 50 are silicone elastomers that cure at room temperature through a polyaddition reaction

Available as two-component kneadable pastes, they can be mixed and handled by hand (2 minutes max) and fully cure within 5 minutes. These silicones take the form of a light gray resin, while the hardener is available in three shades of blue (light, medium, dark). Three hardnesses are available – 20, 35, and 50 Shore A – to meet all technical requirements.

Product Benefits:

- Excellent detail reproduction
- Very good mechanical performance
- Fast curing time
- Dry texture, with no residue or sticky feel
- Good consistency and optimal handling during mixing
- High resistance to inorganic chemicals and UV exposure
- Easy demolding
- Convenient packaging for professional use

Applications in prosthetic and orthotic:

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.

Implementation

Before working SIPORTHO, make sure your hands are clean and dry. The use of protective gloves is not recommended, as it may interfere with proper silicone curing (especially latex gloves). The resin and hardener components must be weighed in equal proportions (1:1) and then mixed manually. Mix gradually and slowly to minimize bubble formation. Then knead the two parts between your fingers, stretching and folding them several times, until a homogeneous and evenly colored mass is obtained.

The resulting paste can be applied by hand or with a spatula, like a putty.

The product can be inhibited in contact with: latex, heavy metal salts, sulfur and derivatives, catalysts of epoxy resins, amines (this list is not exhaustive, and we always advise a trial run). No emission of hazardous substance is released before, during or after polymerization.



PACKAGING



RESIN



HARDENER

Characteristics of the polymerized product

Hardness :

SIPORTHO 20 : 20 Shore A
SIPORTHO 35 : 35 Shore A
SIPORTHO 50 : 50 Shore A

Density : 1.7

After complete hardening, the paste remains flexible and can easily be demolded thanks to its intrinsic non-adhesive nature and mechanical properties.

Reactivity

	SIPORTHO 20	SIPORTHO 35	SIPORTHO 50
Working time *	2 min	2 min	2 min
Full hardening time *	5 min	5 min	5 min

(*) when measured at 20°C

Characteristics of the components

	SIPORTHO 20	SIPORTHO 35	SIPORTHO 50
Resin Color	Light gray	Light gray	Light gray
Hardener Color	Light blue	Medium blue	Dark blue
Mix Ratio (resin/hardener)	1 : 1	1 : 1	1 : 1
Density	1,7	1,7	1,7
Final hardness (shore A)	20	35	50

Packaging

PRODUCTS	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

Storage, handling and safety

In its original packaging, the silicone elastomer SIPORTHO is guaranteed 12 months if both components are stored away from light, humidity, well closed and at a room temperature below 30°C.

Rather use these products as soon as they are open. Usual health and safety conditions must be applied during the handling of the SIPORTHO. To do so, please read carefully our Safety Data Sheet.

Information contained in this document is supplied in good faith and based on our current knowledge. It is for indication and not formal constraint, in particular if this product is not used according to the applications expressed in this technical index card. A preliminary test will always be advised to be sure that the product corresponds to the customer's requirements.

The user of this product undertakes to respect the current legislation for the elimination of waste.

Custom's codes

SIPORTHO

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