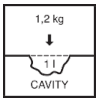
Silicone AFM / Hardener AFM

Pourable, two-component silicone casting compound that cures at room temperature

Type/Name	Availability				
	Quantity per pallet	500	90	500	200
	Size / Quantity	**1 kg**	**5 kg**	**22 g**	**110 g**
	Type of container	Plastic bucket	Plastic bucket	Tin bottle	Tin bottle
	Container code	01	05	80	81
	Art. no.				
Component A	0736	■	■		
Component B	0737			■	■

Application rate

Approx. 1.2 kg/m²/mm layer thickness



Range of use

- Casting of high-value original pieces with accurate detail
- Production of solid and main moulds
- Forming with strong undercuts

Property profile

- High reproduction accuracy and detail reproduction
- Excellent resilience
- Very good elasticity and tear resistance
- Good flow properties
- Easy demoulding

Characteristic data of the product

■ On delivery

	Component A	Component B	Mixture
Density (20 °C)	1.22 g/cm³	1.04 g/cm³	
Viscosity (20 °C)	25,000 mPas	20 mPas	24,000 mPas

■ Once fully cured

Shore A (DIN EN ISO 868)	approx. 23
Tensile strength (DIN 53504 S3A)	approx. 2.8 N/mm²
Elongation at break (DIN 53504 S3A)	approx. 380%
Resistance to tear propagation (ASTM D 624 Form B)	approx. 22 N/mm²
Linear shrinkage (7 days)	approx. 0.5%

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

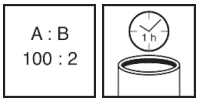
Possible system products

- Thickening Additive AFM (0738)
- RM GF (0588)
- Formwork Paste (1121)

Preparation

■ Substrate requirements
The substrate must be clean, dust-free and dry.

Production of the mixture



■ Mixing

Shake the Hardener AFM well before use.
Mix Silicone AFM with Hardener AFM in a ratio of 100 : 2 homogeneously using a spatula or stirrer until there are no streaks.
Stir the material slowly to avoid air bubbles.
Processing time max 1 hour. This may be reduced at high temperatures.

Directions

■ Conditions for use

Temperature of the material, air and substrate: from min. +5 °C to max. +30 °C.

Pour or apply by brush
Reaction time approx. 20 hours

Tips on use

The addition of up to 1% by mass of Thickening Additive AFM (0738) can increase the viscosity until stability is reached.
To ensure that the vulcanised material is completely free of bubbles, degas the silicone/hardener mixture in a vacuum prior to use (max. 5 minutes at 10-20 mbar).
Pourable resins, such as polyesters and polyurethanes, limit the ability to take a large number of impressions due to their aggressive nature.
When making impression of critical substrates, e.g. materials that are porous, silicate-based or moisture-absorbing, use a silicone-free releasing agent (e.g. wallpaper paste).
When creating supporting moulds, a suitable release agent must be applied to the outer skin of the silicone mould, e.g. Framework Paste (1121).

Notes

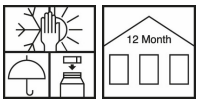
Deviations from applicable regulations must be agreed separately.
The relevant test certificates must be observed when planning and carrying out work.

Tools / Cleaning

Paintbrush, spatula, stirrer

Clean tools immediately after use with thinner and brush cleaner.
Pull off any cured residue.

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.