

SIM-SEAL 55



Anti-mould, moisture curing, hybrid polymer sealant and adhesive. Isocyanate free, high versatility, over-paintable.



Fields of application:

- as adhesive and sealant also on wet surfaces, anti-mould with hybrid polymers without isocyanates, air-curing with high versatility, overpaintable;
- high adhesion on metals such as iron, zinc and copper, even if galvanized or pre-painted;
- high adhesion on wood and derivatives such as MDF, chipboard and plywood;

- suitable for sealing and applying all materials used in the building sector such as cement, stone, marble, bricks, gypsum and plasterboard, ceramic, glass stoneware and porcelain stoneware, etc;
- for applying and sealing on most rigid plastic types such as PVC, PC, PS, ABS, fiberglass;
- product available in 3 colors;
- professional use only;

Preparation:

The joints must be solid, without dust, clean of any removable parts, free of oil, grease, wax, paint, rust and organic proliferation. **SIM-SEAL 55** must adhere only to the joint side walls and not to the joint bottom to ensure a correct sealing. Insert **Joint 100** in order to prevent the filler Superflex PU500 from adhering to the bottom and apply **Primer Hi Tech SL** To ensure optimum adhesion to the joint surfaces, beforehand. The joint is correctly dimensioned when the joint width is approximately double the joint depth. As adhesive: apply strips on one of the surfaces every 3/4 cm. Immediately position with slight rotation and compression. For the gluing of heavy elements, it needs a temporary fixing up to complete cross-linking.

Application:

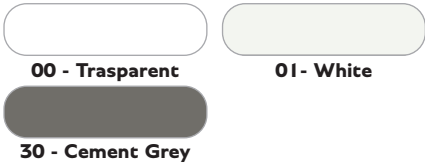
cut the cartridge spout at the top, at the threaded part, and screw the nozzle on. Cut the nozzle to the right size for the joint required. Inject the cavity prepared using a specific gun and smooth off the joint surface with a tool, applying suitable pressure before the surface filming begins.

Quality and Environmental Standards:

SIM-SEAL 55 undergoes constant, careful testing at our laboratories, in compliance with the legislation in force UNI EN ISO 9001/2015.

Indicative table of SIM-SEAL 55 consumption

Joint size (mm)	5 x 5	5 x 10	10 x 10	15 x 10	20 x 10	25 x 10	30 x 15	40 x 20
Linear metres per cartridge (ml)	12	6	3	2	1.5	1.25	0.7	0.4

Characteristics	Application methods	Consumption
Without isocyanates Resistant to moulds Overpaintable It adheres also on wet surfaces One-component Thixotropic Elastic in time Not suitable for chlorinated water	Specific gun Color 	for each 10x10 mm joint section need 1 cartridge Storage Shelf life of 24 months in the original packages and in a fresh, dry place

Code	Product	Color	Packages
264002	SIM-SEAL 55	00-Transparent	290 ml cartridge x 12 pcs
264000	SIM-SEAL 55	01-White	290 ml cartridge x 12 pcs
264001	SIM-SEAL 55	30-Cement Grey	290 ml cartridge x 12 pcs

Warning:

- wait for complete hardening before use; this depends on the room humidity;
- do not use **SIM-SEAL 55** on highly porous supports such as clay or terracotta without applying first **Primer Hi-Tech SL**;
- do not use in direct contact with alkylid glaze; drying time can be very long;
- do not apply **SIM-SEAL 55** under -5°C or above $+35^{\circ}\text{C}$.

Technical and application specifications

Hazard classification as per Directive 99/45/CE:	none
Application temperature:	from $+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$
Specific weight of mixture (transparent):	ca. 1,52 (ca. 1,02) g/cm^3
SHORE A hardness:	ca. 55°
Dust dry (23°C, 50% H.R.):	approx. 15 minutes
E modulus at 100% (DIN 52455):	1,7 N/mm^2
Elongation at break (DIN 52455):	300%
Tensile strength (DIN 53504):	2,2 N/mm^2
Elastic recovery capacity (DIN 52458):	> 95 %
Room/ambient temperature:	from -40°C to $+90^{\circ}\text{C}$
Hardening time: (23°C, 50% H.R.):	> 2 mm/24h
Harmonised customs code:	32149000

Measurement of data at $+23^{\circ}\text{C}$ / 50% Residual Humidity and no ventilation. The data may be considerably modified by the conditions of use.

