

Special Silicone Sealer

UZIN D 90

Highly flexible, one-component, neutral-cure mastic sealant

Description:

For permanently flexible sealing of connection- and movement-joints, especially in marble and natural stone finishes, ceramics and artificial stone in sanitation areas as well as in construction and fabrication work, e.g. in glass, window and metal fabrications. For interior and exterior use on floors, walls and ceilings.

Suitable for/on:

- ▶ natural stone
- ▶ artificial stone
- ▶ tiling
- ▶ glass and enamel
- ▶ aluminium
- ▶ plastics

Product Properties / Benefits:

UZIN D 90 is an easy to use, one-component mastic joint sealant, based on neutral-curing silicone that sets to a permanently flexible finish.

- ▶ Highly flexible and adhesive
- ▶ Migration-free and compatible with stone
- ▶ Rapid and neutral cure
- ▶ Waterproof and UV-resistant
- ▶ Resistant to weathering and ageing
- ▶ Inhibits mould and bacterial growth



Technical Data:

Packaging:	cartridge
Packsize:	15 x 310 ml cartridges per carton
Shelf life:	18 months in cool, dry storage
Colours:	white / jura beige / grey / transparent / anthracite
Working temperature:	5 °C to 40 °C / 41 °F to 104 °F
Skin formation:	after approx. 10 minutes*
Curing:	approx. 2 mm / day approx. 6 mm / week
Shore-A hardness:	25 ± 5 in acc. with DIN 53 505
Recovery potential:	> 90 %
Modulus / tensile stress 100%:	0.38 N / mm ²
Permissible total deformation:	up to 25 % of joint width
Temperature resistance:	- 50 °C to 120 °C / - 58 °F to 248 °F
Resistance to weathering:	resistant to driving rain after 2 hours

* At 20 °C / 68 °F and 65 % relative humidity.

Substrate Preparation:

Joint edges and surfaces to be treated must be sound, clean and free from materials that would impair adhesion of the mastic sealant. Completely remove all loose material, dirt, oil, grease and wax. If necessary, degrease with UZIN VE 100 (avoid contact with plastics).

Application:

1. Cut off the tip of the screw-thread at the end of the cartridge and screw on the nozzle.
2. Cut the nozzle tip at an angle according to the width of bead required and fit the cartridge into a standard cartridge-gun.
3. Inject the mastic under continuous pressure, ensuring no bubbles and good edge-contact, into the joint
4. Spray UZIN Smoothing Agent onto the filled joint and the adjacent surfaces or apply with a soft brush.
5. Immediately wipe over the joint surface with a wetted finger or a trowel in one continuous movement.

Consumption:

Joint Section	Approx. Consumption*	Approx. coverage per 310 ml cartridge
5 x 5 mm	30 ml / lin m of joint	10.3 lin m of joint
10 x 10 mm	110 ml / lin m of joint	2.8 lin m of joint
15 x 15 mm	250 ml / lin m of joint	1.3 lin m of joint

*Calculation of approx. consumption:

Joint width x joint depth (in mm) + 10 % = ml per lin m of joint.

Important Notes:

- ▶ Do not use at temperatures below 5 °C/41 °F and above 40 °C/104 °F.
- ▶ For connection- and movement-joints that will be covered with paint or plaster, use the UZIN products in accordance with the current Product Guide.
- ▶ UZIN D 90 is not suitable for surfaces containing tar or bitumen.
- ▶ Pre-fill deep joints with a non-absorbent, round PE cord. Avoid movement restrictions from bonding the three surfaces (bonding to the base of the joint)
- ▶ To ensure a clean finish, protect joint surrounds with adhesive tape; remove the tape immediately after smoothing.
- ▶ Clean tools and contaminated surfaces whilst still fresh with UZIN VE 100 (avoid contact with plastics).
- ▶ If using other smoothing aids than the UZIN Smoothing Agent, discolouration may occur; therefore, test in advance.
- ▶ On unknown surfaces, make a test on an inconspicuous surface area.
- ▶ Protect from contamination until the material is fully cured.
- ▶ Shelf life minimum 18 months when stored in cold and dry conditions. Protect from frost and heat. Carefully and tightly seal opened cartridges with aluminium foil and use as quickly as possible.

Protection of the Workplace and the Environment:

Solvent-free. Non flammable. Requires no special protection or precautions in general use. Avoid prolonged contact with skin or contact with eyes.

Disposal:

Dispose of empty packaging according to local regulations or recycle. Collect waste material, allow to dry out and harden and then dispose as Construction Waste.