Technical Data Sheet
Art. No. 7525 - 7529

MultiSil NUW

Joint sealing compound on a silicone rubber base

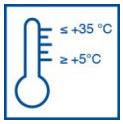
Cross-linking system: alkoxy system
DIN EN 15651-1: F-EXT-INT-CC 20HM
DIN EN 15651-3: S
DIN EN 15651.4; PW-EXT-INT-CC 12,5E


For use indoors and outdoors

Safe for food


Under water areas


Sealing compound gun



Working temperature


Store frost-free and cool protected from moisutre in closed containers

Shelf life

Application range

MultiSil NUW is suitable for all elastic joint work that requires special mechanical or chemical loading capacity: swimming pools, food and hygiene areas, medical treatment rooms, agricultural engineering.
It can be used for stain-free work on smooth and open-pored natural stone, e.g. marble, travertine, sandstone, slate, etc.

Property profile

MultiSil NUW is a high quality joint sealing compound with medium Shore hardness. Because of its very dense structure, the compound is especially resistant to mechanical and chemical loads.

Substrate

The sides of the joints must be load-bearing, dry, clean and free of oil and grease.

The dimensions of expansion joints should meet the requirements of DIN 18540, i.e. joint depth should be approx. one-third less than joint width. Joints with pressure loads should have a square cross-section at least 10 mm deep but joint depths greater than 20 mm should be avoided. Joints that are too deep should be brought to the correct depth by bedding Remmers Backing Rods in the joint.

In the case of joints with pressure loads, back filling should be executed so that it reliably compensates pressure from above.

Characteristic data of the product

Density:	1.0 g/ml
Skin formation:	approx. 15 minutes
Curing rate:	2 mm/day(23 °C / 50 % rel. hum.)
Modulus value 100 % (DIN EN ISO 8339):	0.60 N/mm²
Elongation at break (DIN EN ISO 8339):	120 %
Elastic recovery (DIN EN ISO 7389):	> 90 %
Volume shrinkage (DIN EN ISO 10563):	ca. –3 %
Permissible total deformation:	+/- 20 %

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

Adhesive primer:
Prime areas with heavy mechanical loads that are not permanently underwater with Silicone Primer P. Areas continuously underwater must always be pre-treated with Remmers Underwater Primer or, if the joints are matt damp, with Remmers Epoxy MT 100. Depending on load, joints in natural stone may not need to be primed or can be primed with Silicone Primer P. Observe flash-off time.

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Directions

Inject MultiSil NUW into the joints, using sufficient pressure so that the material adheres to the sides of the joint, then smooth. When using on natural stone, execute carefully, sharply to the edge to avoid soiling.

Application temperature
from 5 °C to 35 °C

Possible system products

- Underwater Primer (7450)
- Silicon Primer P (7270)
- Epoxy MT 100 (0936)

Notes

Compared to other joint sealing compounds, MultiSil NUW requires considerably higher injection pressure.

Do not use if the temperature of the object is below +10 °C.
Do not bring in contact with bitumen or tar based materials. The values given for skin formation time and full cure depend on how long the material is stored and change with age of the product.

Application rate:

100 ml per running metre for a 1 cm² joint cross-section

Tools, cleaning

Hand or compressed air gun, brush, smoothing tool, adhesive tape.

Clean with V 101 Thinner while fresh. Once the material has vulcanised it can only be removed mechanically, if necessary after swelling with V 101.

Packaging / Colours

Packaging
310 ml cartridges
12 cartridges in a carton
600 ml tube bags
12 bags in a carton

Colours
7525 transparent
7527 light gray
7528 manhattan
7529 special colours on request

Storage / Shelf-life

12 months in closed, original containers, stored cool, dry and protected from frost.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

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GBI F 041-2

EN 15651-1: 2012
EN 15651-3: 2012
EN 15651-4: 2012

7525

Joint sealant for facade elements for use indoors and outdoors
(suitable for use in cold climate zones), Type F-EXT-INT-CC;
Joint sealant for sanitary joints, Type S;
Joint sealant for expansion joint in indoor and outdoor areas
(suitable for use in cold climate zones), Type PW-EXT-INT-CC

Conditioning: Method A
Substrate: Mortar M1 / glass
Pre-treatment: Glass without pre-treatment / mortar M1 with Silicone Primer P

Reaction to fire	Class E
Water tightness and air tightness	
Resistance to flow	≤ 3 mm
Loss of volume	≤ 10 %
Tensile properties at maintained extension	NF
Tensile properties (i.e. elongation properties) at maintained extension after immersion in water	NF
Tensile properties (i.e. elongation) after immersion in water at 23°C	≥ 25 %
Tensile properties (i.e. secant modulus) bei -30°C	≤ 0,9 MPa
Tensile properties at maintained extension at -30°C	NF
Tear resistance	NF
Adhesion/cohesion properties at maintained extension after storage in water for 28 days	NF
Adhesion/cohesion properties at maintained extension after immersion in salt water for 28 days	NF
Micro-organisms: Intensity of growth	2
Durability	passed

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