UNI EN ISO 9001:2008
Quality System Certified Company

TECHNICAL DATA SHEET
PRODUCT

UNISEAL

NEUTRAL SILICON SEALANT
in cartridge

UNISEAL adhesive is a solvent-free silicon sealant, recommended for sealing a wide range of materials: NATURAL and ARTIFICIAL STONE, CERAMICS, METAL WINDOWS AND DOOR FRAMES (total absence of corrosives), WOOD, PLASTICS, GLASS, etc.
Cures at ambient temperature with neutral and non-toxic reticulation. Suitable for interior and exterior applications, as it confers excellent resistance to atmospheric agents. Easy to apply, it works in a vast range of temperatures -20°C to +40°C (-4°F to 104°F) with proper paste consistency. It keeps its elasticity even in severe temperatures -40°C to +150°C (-40°F to 302°F).

FUNCTION
Interior and exterior silicon sealant with permanent elasticity

LINE
SEALANTS — Available in neutral and various other colours

INDICATION
For the non-toxic and total sealing of any type of material
It has not anyway the function of structural adhesive

MATERIALS
Natural stone, terrazzo, agglomerates, ceramics, terracotta, concrete, metal, plastics, glass, etc.

HOW TO USE
Surface preparation: surfaces that will come in contact with the sealant must be dry, clean and free from dirt, rust, oil, anti-adherent substance, etc. Porous substrate must be prepared by rubbing it by a wire brush and abrasive and then cleaned with a lint-free rag. Use masking tape along edges.
Application: apply the sealant with the proper caulking gun. Smooth uncured sealant with dampened tool.

TECHNICAL INFORMATION
See page 2

NOTE
Contact with some elastomers such as Neoprene, EPDM, and APTK can cause a change in sealant colour. Contact with polyacrylates and polycarbonates can cause tensile stress and consequent tension breakdown.

SAFETY
While curing, a total of 4% of methylethylketoxima is released. These vapours should not be inhaled for a long period of time or in high concentration.
Work area must have sufficient aeration. In case of contact with eyes or mucous membranes, rinse well with clear water to avoid irritation. Once cured, the gum can be worked without any risk for the health.
For more information, see product label or product Safety Data Sheet.

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IMPORTANT

Given the large range of possible applications, the information provided here should be considered as a guideline and not as any form of performance guarantee. The user must perform tests to verify the effect of the product on any particular application.

TECHNICAL INFORMATION

NOT CURED MASS

DENSITY at 25° C (77°F)	(DIN 53479-B)	gr/cm³	1.03
CONSISTENCY	(DIN EN 27390- A - B)		paste
EXTRUSION RATE (23°C[73.4°F], Ø 3 mm. exhaust nozzle, pressure = 0.21 N/mm)		ml/10 Sec	8-13
FILMING TIME at 23°C (73.4°F)	(RH 50%)	minutes	10-20
SHRINKAGE WHILE CURING	(DIN 52451 A)	%	7.5
CURE RATE at 23°C (73.4°F)	(RH 50%, 18 mm. layer)	7 days 14 days 21 days 28 days	8 mm 12 mm 15 mm complete

CURED MASS

TENSILE STRESS RESISTANCE	(DIN 53504S-3A) (DIN EN 28339)	N/mm N/mm	1.2 0.45
BREAKING ELONGATION	(DIN 53504-S3) (DIN EN 28339)	% %	500 180
ELONGATION MODULUS	(DIN 53504 S-3A) to 100% (DIN EN 28339) to 100%	N/mm N/mm	0.32 0.35
SHORE A hardness	(DIN 53505)		18
TEAR RESISTANCE	(ASTM D624- stamp B)	N/mm	4.5
DENSITY at 25°C (77°F)	(DIN 53479-A)	gr/cm³	1.04

LIMITATION OF LIABILITY The data provided derive from published information or from our own laboratory tests. The information provided here must be considered as a guideline and not as any form of performance guarantee. Since the application of the product is beyond the control of the manufacturer or supplier, our liability for defective products, when verified, is limited to refund of the purchase price

A PRELIMINARY TEST IN A SMALL, HIDDEN, AREA IS RECOMMENDED BEFORE THE APPLICATION

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