

TECHNICAL DATA SHEET

HY 2.0

Single-component adhesive-sealant based on hybrid polymers, with mould resistant formulation, for overpaintable elastic bonding and sealing of connection joints, for general construction and industry applications. It cures by reaction with atmospheric humidity.

APPLICATION RANGE

Making of joints between construction elements, either vertical and horizontal. Once cured it can be painted and ensures good resistance to weather. Excellent adhesion on smooth and porous surfaces: glass, rigid plastics, metal substrates, plasterboard, plasters, masonry, wood, fibre cement, etc.

It does not corrode metals, does not reduce its initial volume and keeps its elasticity even at low temperatures without stressing the sides of the joint. In the transparent, crystal clear version, it is particularly suited for invisible bonding with high mechanical strength.

INSTRUCTIONS FOR USE

The sides of the joint must be solid, clean, degreased and compact. The sealing must be at least 6 x 6 mm in size. Over 1 cm in width, the ratio between width and depth must be 2:1. Insert the Synthetic plugging cord to ensure correct proportion of the sealing and prevent the joint to adhere to the bottom. Protect the edges of the joint with self-adhesive paper tape. Cut the nozzle according to a diameter proportional to the size of the joint. Inject an excess amount of HY 2.0. Smooth out with a spatula before the surface film formation begins. Apply a certain pressure in order to obtain a void-free filling and complete adhesion of the sealant on the sides of the joint. Remove the protective tape immediately. When used as an adhesive, apply HY 2.0 along parallel lines on clean and compact surfaces and join the elements by compression; fix the bodies externally to support their weight during the first 24 hours.

WARNINGS

- Do not apply at temperatures below 0 °C.
- Do not use in constantly wet environments.
- Prolonged exposure to UV rays can cause yellowing.
- When applied to plastic substrates or on any material of doubtful origin, check the adhesion of HY 2.0 with preliminary tests.
- Clean tools with paper and alcohol while HY 2.0 is still fresh and mechanically after curing.

PACKAGING

290 ml cartridges
12 cartridges per box. 100 boxes per pallet



STORAGE

Store in a dry place, protected from frost and heat. It will keep in its original packaging closed and protected from UV rays:

- at least 12 months in case of crystal clear formulation
- at least 18 months in case of white and grey formulation

CONSUMPTION

Indicative yield in linear meters of a sealant cartridge = $V / (L \times D)$
V = Cartridge content in ml
L = Sealing width in mm
D = Sealing depth in mm

CERTIFICATIONS

REFERENCE NORM	CRYSTAL CLEAR	WHITE, GREY
EN 15651-1: 2012	F EXT-INT: Sealant for non-structural joints for façade applications. Indoor and outdoor use.	F EXT-INT: Sealant for non-structural joints for façade applications. Indoor and outdoor use.
EN 15651-3: 2012	S1: Sealant for non-structural joints for sanitary facilities applications.	XS2: Sealant for non-structural joints for sanitary facilities applications.
Emissions VOC - GEV Emicode	EC1 Plus	

TECHNICAL DATA

PARAMETER	TEST METHOD	VALUE	
		CRYSTAL CLEAR	WHITE, GREY
Density	UNI 8490 - Part 2	1,057 g/ml	1,60 g/ml
Extrusion speed	MIT 30	40,79 g	27,73 g
Application temperature		+5 °C to +30 °C	+5 °C to +30 °C
Skin-over time	MIT 33	10 minutes	12 minutes
Hardening rate from the outside to the inside at 23 °C and 50 % rel. h.		4 mm / 24 hours	2-3 mm / 24 hours
Stability	EN ISO 7390	≤ 3 mm	≤ 3 mm
Operating temperature		-30 °C to +80 °C	-30 °C to +80 °C
Shore A hardness	ISO 868	35 ± 5	57 ± 5
Volume variation	MIT 057	3,5 %	3,2 %
Mass variation	MIT 057	2,6 %	1,8 %
Elongation at break	DIN 53504 - S2	300 %	260 %
Tensile strength at break	DIN 53504 - S2	2,4 MPa	2,7 MPa
Modulus of elasticity at 100%	DIN 53504 - S2	0,9 MPa	1,8 MPa
Maximum operating elongation	ISO 11600	7,5 %	20 %

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