MS 120

Vai a TDS

Sealants

ONE-COMPONENT ELASTIC HIGH MODULUS, CRYSTAL CLEAR, PAINTABLE, HYBRID SEALANT AND ADHESIVE, SUITABLE FOR DAMP SURFACES.

PRODUCT DESCRIPTION

MS 120 is a one-component, solvent-free, neutral-cure Silane based sealant which does not emit unpleasant odors, available in the form of a thixotropic paste. It is easy to apply on vertical and horizontal surfaces and cures at room temperature through the humidity present in the air to form a flexible sealant. Seals are extremely stable over time, even when exposed to different weather condition, industrial environments, and temperature changes. The product remains flexible between -40°C and +150°C.

FIELD OF APPLICATION

MS 120 is used to make watertight seals in joints and gaps between similar and different types of building materials, including those permanently exposed to damp conditions. Once polymerization has taken place, it forms a perfect, flexible seal which adheres well to glass, ceramic and painted metal surfaces and is highly resistant to the formation of surface mould.
It is used for sealing expansion and distribution joints, subject to movements up to 25% in:

· façades on civil and Industrial buildings;
· pre-fabricated concrete panels;
· concrete walls and in general, internal and external vertical structures

SUITABLE SUBSTRATES

· Iron surface
· Aluminum surface
· Rust free metallic surface
· Ceramic
· Bricks
· Glass
· Marble
· Stone

LIMITATIONS

· Do not use on dusty and flaky surfaces.
· Do not use on surfaces which are dirty with oil, grease or stripping compounds, the bonding could be compromised.
· Do not use on bituminous surfaces where the bleeding of oil may be present.
· Do not apply if the temperature is lower than +5°C.

APPLICATION PROCEDURE

a) Preparation of the support

Surfaces to be sealed must be dry, de-greased, solid and free of dust, loose parts, oil, grease, wax, old paintwork and rust on metal surfaces. We recommend applying masking tape along the edges of the joint in order to avoid the sealant seeping out of the joint and to get a more attractive finish.

b) Preparing the product

Ready to be used.

c) Applying the product
Insert the cartridge in an extrusion gun, cut off the tip of the cartridge, screw on the extrusion nozzle, trim the nozzle at an angle of 45° and according to the extruded width required and squeeze out the product in a continuous flow into the joint while trying to avoid air entering the joint. Immediately after applying the sealant, smooth over the surface before it hardens with a spatula wetted with soap and water. Remove the masking tape immediately after smoothing over the sealant

COVERAGE / CONSUMPTION
The consumption of MS 120depends on the application. Typical consumption is between 100 and 120 ml/mL.

PACKAKING
MS 120is supplied in:
– 280ml cartridge

SHELF LIFE
Original sealed packaging of this product is guaranteed to be of first quality for 18 months if stored in a dry area and temperatures between +5oC and +35oC.

SAFETY INSTRUCTION
MS 120 is not considered hazardous according to current standards and regulations regarding the classification of mixtures. While handling the product, we recommend the use of protective gloves and goggles and to keep the work area well ventilated. For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

Product identity	
Consistency:	thixotropic paste
Color:	Transparent
Density (kg/m^3):	1000
Viscosity (mPa.s):	1,500,000
Dry solids content (%):	100
Application data (at +23°C and 50% R.H.)	
Dilution:	Ready to used
Skin formation time:	20 minutes
Polymerization time:	5mm / 24 hours
Service temperature range:	-40°C to +90°C
Application temperature:	+5°C to +35°C
Consumption	100-120 ml/mL
Elongation:	300%
Tensile strength:	1.9 N/mm^2
Tear strength:	5.5 kN / m
Hardness Shore A:	37
Module of elasticity at 100% elongation:	0.75
Water resistance:	excellent
Atmospheric agent resistance:	excellent

WARNING

Danger. Contains Portland Cement: Chromium VI < 2 ppm within the validity period of the product. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. P261 Avoid breathing dust. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF IN CONTACT WITH YOUR SKIN: Wash with plenty of water/... P305 + P351 + P338 IF IN CONTACT WITH YOUR EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor/...

EMISSION CLASS FOR BUILDING MATERIAL M1

+1 55 12 258 428
info@dc-industries.us
www.dc-industries.us

DC INDUSTRIES

Via sorte, 2, 24030
Barzana BG, Italy