



MASTERS POLYMER CRYSTAL

Product description

MASTERS POLYMER CRYSTAL is a one-component adhesive sealant based on hybrid polymer with silane termination. It cures according with air moisture reaction.

Specifications

- isocyanates and solvents free
- anti-mold (ISO 846)
- permanent elasticity
- excellent surface hardness
- odorless
- great chromatic stability
- adhesive properties unchanged over time
- can be over-coated
- adhesion without primer
- great extrusion
- great transparency
- great UV resistance (ATLAS UVTEST ASTM G154 REGULATION CYCLE 2 (UV+CONDENSATION) UVB lamps h > 3000)

Application areas

It is suitable for sealing and bonding a large amount of supports such as:

- glass
- mirrors
- porcelain - ceramic
- wood - cork
- bricks - concrete - plasterboard
- aluminium - varnished aluminium
- steel - stainless steel
- iron - lead
- PVC - PC

Preparation and use

Conditions of use: use at a temperature between +5°C and +50°C - for a good performance of the product we suggest to use it at a temperature of 20°C.

It is advised to completely harden the product before painting.

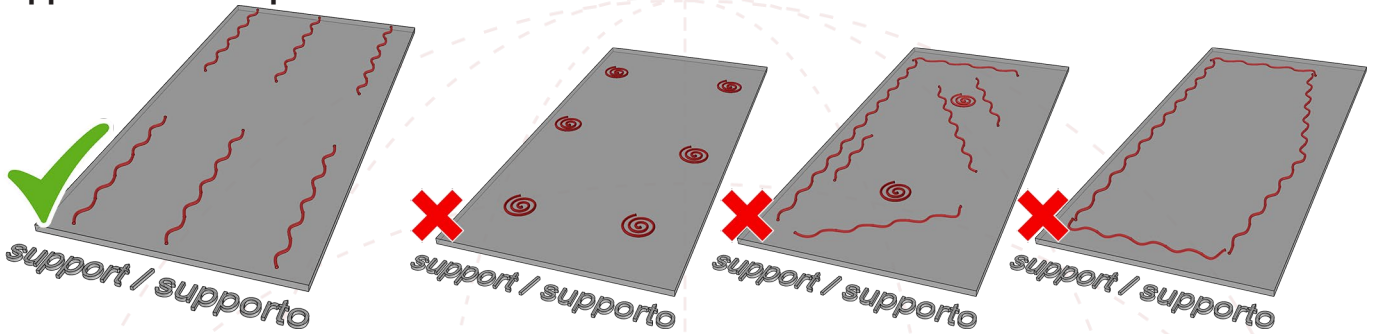
Surface requirements: the surface should be dry, free of dust, oils, detergents and greases, once the surface has been cleaned, wait no more than 20 minutes for laying the product.

Tools for use: manual or pneumatic guns

Cleaning utensils: clean them with mineral turpentine.

Spots and residues: remove non-crosslinked parts with mineral turpentine, hardened parts can only be removed mechanically.

Application example



Package

cartridge 290 ml, box 12/24 pc
transparent cartridge 300/310 ml, box 24 pc
transparent tube 125 ml
unipac 400/600 ml, box 24 pc
drums 20 kg
drums 200 kg

Colours



crystal
cristallino

Storage

Stored in its original packaging, in a cold dry place (+5°C and +25°C), away from direct sunlight, the product lasts 24 months.

Security measures

Avoid contact with mucous membranes and skin

Use gloves to avoid irritation, especially in susceptible persons

In case of contact with eyes, rinse with large amounts of water consult a doctor.

Avoid to release the packages to the environment

Notes

These informations and our technical specifications, correspond to our experience but these not establish our guarantee in relationship with final results or responsibility arising out of any legal report.

In view of the multiplicity of material handling and storage conditions, the

conditions of production and use, all the above information and indications must be verified beforehand by the user in accordance with its specific conditions of use.

MASTERS POLYMER CRYSTAL - Product data

General characteristics	Inspection method	unit	Value
Uncured paste			
Density at 23°C	ISO 2811	[g/cm ³]	1,04
Consistency			non-sag
Curing time at 23°C / 50 % r.h.		[mm/24h]	3
Skin forming time at 23°C / 50 % r.h.		[min]	40
Cured paste			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 37	[N/mm ²]	1,40
Elongation at break	ISO 37	[%]	350
Modulus at 100% elongation	ISO 37	[N/mm ²]	0,65
Hardness Shore A	DIN 53505		35
Volume loss		[%]	< -2
Temperature resistance		[°C]	-40 / +100

These figures are only intended as a guide and should not be used in preparing specifications.

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

The management system has been certified according to DIN EN ISO 9001 and DIN EN ISO 14001

For technical, quality, or product safety questions, please contact:
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