



Product description

MASTERS POLYMER SR-4 is a structural adhesive with silane termination based on brand new polymer generation that give high mechanical performance to the adhesive. Developed properly for wood construction industry, where structural and durable bonding, even in extreme conditions, are mandatory.

Specifications

- isocyanates and solvents free
- phthalates free
- plasticisers free
- thixotropic does not-sag
- single-component ready to use
- does not stain surfaces
- workability similar to polyurethane adhesive
- does not swell / expands in the cross-linking phase
- great filling power
- excellent surface hardness
- waterproof and more durable than wood
- odorless
- great chromatic stability
- adhesive properties unchanged over time
- primerless adhesion
- adhesion without primer
- great extrusion
- great UV resistance: UVB lamps > 4000 h
- great yellowing resistance

Application areas

It is suitable for bonding of:

- wood - MDF - chipboard
- bonding between metals, stones and concrete
- structural bonding between different wood typologies
- bonding of wood coatings even in damp environments

Preparation and use

Conditions of use: use at a temperature between +5°C and +40°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. The glued parts and the surrounding environment temperature must be more than

5°C.

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. Wood humidity rate must be between 8% and 20% (max 25%).

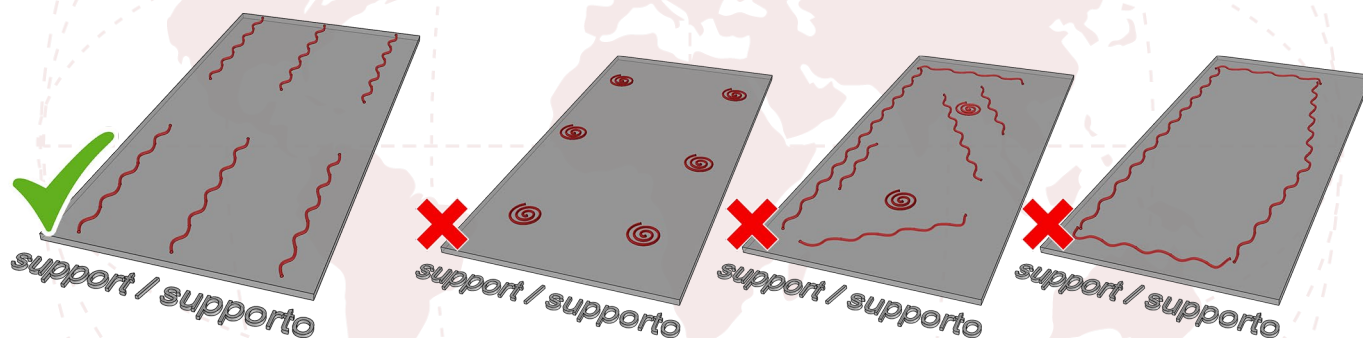
Within 20 minutes of application of the adhesive place the bonded parts under pressure and keep them pressurized for at least 5 hours. Complete product hardening will take place after 24 hours depending on the surface, the amount of applied material, the temperature and the surrounding humidity.

Tools for use: manual 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 310 ml, box 12/24 pc.
drums 250 kg

Colours



beige
beige
RAL 1001

Storage

Stored in its original packaging, in a cold dry place (+5°C and +25°C), away from direct sunlight, the product lasts 18 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 SR-4 - Product data

General characteristics	Inspection method	unit	Value
Uncured paste			
Density at 23°C	internal method	[g/cm ³]	1.30
Consistency			non-sag
Curing time at 23°C / 50 % r.h.		[mm/24h]	2
Skin forming time at 23°C / 50 % r.h.		[min]	35
Cured paste			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 37	[N/mm ²]	12.00
Elongation at break	ISO 37	[%]	30
Hardness Shore D	DIN 53505		30
Volume loss		[%]	< -1
Temperature resistance		[°C]	-40 / +120

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

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