

**Product description**

MASTERS POLYMER ST5830 is a one-component liquid waterproof sheath based on hybrid polymeric with silane termination. It cures according with air moisture reaction.

Property

- isocyanates and solvents free
- phthalates free
- ready to use
- easy application by brush, roller or airless
- excellent surface hardness
- odorless
- great chromatic stability
- adhesive properties unchanged over time on several substrates
- adhesion without primer
- walkable after 72 hours from laying
- easily washable with soap and water
- excellent workability
- excellent tear resistance
- great UV resistance: UVB lamp > 12.000 h

Application areas

It is indicated and studied for the waterproofing of several substrates

- waterproofing of balconies and terraces
- waterproofing for roofs or under-tile
- waterproofing of basements and wetlands
- moisture barrier under the screeds
- horizontal cracks and slots restoring
- great adhesion on terracotta
- excellent adhesion on concrete and brick
- waterproofing of wood posts used for fences in agriculture

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.

Also make sure that the superficial temperature of the substrate is not lower than 10°C. For a good performance of the product it is recommended to perform one treatment on smooth surfaces (using suggested thickness) and two treatments on rough surfaces (using provided and suggested tickness). These treatments must be carried out at a distance of 48 h.

one from the other. Precautionary shake the product before laying. It is advised to completely harden the product before painting. We also recommend doing it with water-based paints and because of the wide variety of paints commercially available to check its suitability before laying

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: brush and rollers

Cleaning utensils: clean them with mineral turpentine.

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

Package

plastic bucket 1 kg
plastic bucket 5 kg
drums 15 kg
drums 200 kg

Colours



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 ST5830 - Product data

General characteristics	Inspection method	unit	Value
Uncured paste			
Density at 23°C	ISO 2811	[g/cm ³]	1.30
Appearance			Self-leveling
Polymerisation system			Hygrosetting
Skin forming time at 23°C / 50 % r.h.		[min]	65
Recomended thickness - waterproof		[mm]	1,2 / 1,3
Recomended thickness - flat roofs		[mm]	1,8 / 2,2
Recomended thickness - stagnant water areas		[mm]	2,6 / 3,0
Usage - waterproof		[kg/m ²]	1,9 / 2,2
Usage - flat roofs		[kg/m ²]	2,4 / 3,0
Usage - stagnant water areas		[kg/m ²]	3,5 / 4,0
Cured paste			
After 4 weeks storage at 23°C / 50% rh			
Tensile strength	ISO 37	[N/mm ²]	8.00
Elongation at break	ISO 37	[%]	120
Modulus at 100% elongation	ISO 37	[N/mm ²]	7.50
Hardness Shore D	DIN 53505		25
Volume loss		[%]	< -2
Temperature resistance		[°C]	-40 / +110
UV Stability (QUV-B)		[h]	> 12000

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:
 MASTICI VOTTERO s.n.c.
 10040 La Cassa (TO) - via Torino 44
 info@masticivottero.com
 www.masticivottero.com