

MS POLYMER

Technical information

Product components :

MS POLYMER – one pack product

Volume:

200 ml, 100 ml (only white)

Product description :

MS POLYMER is elastic sealant recommended for sealing and bonding various types of materials.



Recommended use :

MS POLYMER is recommended for use on :

- laminates polyester and epoxid
- gelcoat
- steel (galvanized, aluminium, acid resistance)
- glass
- wood
- varnished and primed surfaces
- plexi, polycarbonate (without discoloration on surface)
- various types of plastic except PE,PP,PTFE
- concrete and mineral substrates (ie. gypsum)

Characteristic features of MS POLYMER

- resistance to UV, water (also salt water)
- no need to priming
- does not discolor surface (does not contain thinners and isocyanate)
- can be covered by any type of paint

Thanks to advance dispensing system, MS POLYMER does not require extra tools to application, provides exact thickness of weld during application.

Physiochemical

Characteristics:

Color:	white, black, clear
Gloss:	matte
Chemical character:	hybrid
Density :	1,44 g/cm ³
Curing mechanism:	absorption of moisture from air
Elongation at break:	to 500% (DIN 53 504)
Tensile strenght:	3,0 N/mm ² (DIN 53 504)
Tear resistance:	20 N/mm
Resistant to temperatures:	from -40°C to +90°C
Resistant to temperatures for short intervals:	to +120°C – white, black to +100°C – clear

Preparing the surface:



Clean surfaces from rust, damage paint coatings, etc. To increase adhesion, is recommend to sand surfaces by sand paper :

- wood: P80~P120
- laminate: P200~P400
- steel: P80~P120
- plastic (various types): P200~P400

Clean surfaces from dust and contamination.

Grease and salt remove using Cleaner Sea-Line.

Steel surfaces is recommend to prime using Epoxy Anticorrosion primer Sea-Line.

Wood is recommend to prime using Epoxy Lightprimer 5:1 Sea-Line.

In case of application on natural wood, its humidity should be lower than 20%.

Application:

Apply necessary amount of MS POLYMER using dosing lever.

Minimum application temperature is +5°C

Max. application temperature is +30°C

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Hardening the surface:

Time for skin formation:

20°C

15 minutes

Curing time:

24 hours (weld to 3mm)

Time to contact with water:

Min 30 minutes

Contraction:

none



Low air humidity extend curing time.

The given times must be considered as guidelines only. The actual drying time may be shorter or longer and depends on weld thickness, ventilation, humidity etc

Further Work :

- Smooth welds immediately after application, no later than 25 minutes
- Clean nozzle directly after use. Mass which will be not remove will solidify.
- MS POLYMER can be painted after 3 days from application time

HSE conditions :

During work it is recomend to use personal protection equipment (gloves, working jumpsuit). Avoid contact with skin and eyes. Rooms should have good ventilation

NOTICE:

Please follow safety instructions from the technical data sheet and follow Polish workplace safety laws.

Storage :



Product should be store in dry and cool space, away from source of fire, heat and UV.

Protect from overheating!

Expiration date:

15 months from the date of production



Quality Guarantee :

Production, quality control, and the realization of deliveries fulfill the demands of ISO 9001 and 14001 standards.

All data in this document have been prepared for informational purposes. We can not take responsibility for the results of user actions over which we have no control. Responsibility of the user is to make the test sample and determine the suitability of the product for individual applications. Sea-Line do not take responsibility for any damages, or loss of profits associated with the improper use of the products.

All information is based on scrupulous laboratory research and many years of experience. Our position of market leadership does not free us from constant quality control of our products. However, we do not accept responsibility for the effects of improper use or storage of our products, or for the effects of using our products in any way contrary to the standards of good workmanship.

TROTON sp. z o.o. Ząbrowo.