

Mapeplan® ADS 300

Policloroprenic monocomponent solvent adhesive for double coating (contact adhesive), to bond FPO synthetic waterproofing membranes Mapeplan® T on vertical, horizontal and sloping surfaces

WHERE TO USE

Bonding to vertical up stands on perimeters, walls, kerbs around rooflights, chimney's and plant supports. For use in combination with FPO Mapeplan® T membranes.

Some application examples

Fully bonding of synthetic waterproofing membranes Mapeplan® T, on vertical, horizontal and sloping surfaces and substrates resistant to solvents, such as:

- cement plasters;
- cement slabs and substrates;
- concrete screed lightened with EPS or expanded clay;
- PUR & PIR insulation boards and panels coated with glass fiber;
- wooden planking, multilayer wood (Plywood), oriented-fiber wood (OSB);
- metal sheets.

TECHNICAL CHARACTERISTICS

Mapeplan® ADS 300 is a double coating adhesive based on policloroprenic rubber in solvent solution.

Mapeplan® ADS 300 has a low viscosity and immediate grip.

It is easily applied on horizontal and vertical surfaces.

Mapeplan® ADS 300 is the specific adhesive for FPO

Mapeplan® T waterproofing membranes.

After curing it achieves high adhesion and elasticity. The temperature and ageing resistance are excellent.

RECOMMENDATIONS

- Do not thin Mapeplan® ADS 300 with solvents.
- Do not apply Mapeplan® ADS 300 directly on dusty, friable and inconsistent surfaces.
- Do not apply Mapeplan® ADS 300 on surfaces contaminated by oils, grease or dirt.
- Apply Mapeplan® ADS 300 on compact, smooth and regular surfaces and substrates which are resistant to solvents.

APPLICATION PROCEDURE

Preparation of the substrate

The plaster, concrete and screeded concrete surfaces to be treated must be clean and free of loose materials, nibs and hollows and as smooth as possible.

Insulation boards and panels, resistant to solvents, must be laid flat without steps at the joints.

To resist the force of the wind loading the boards must be secured independently to the substrate with approved fixings or bonding systems.

Wooden planking must be smooth, dimensionally stable, correctly fixed with screws, coil or ring hanked nails (fixings must not protrude the surface of

Mapeplan® ADS 300

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

DESCRIPTION

Policloroprenic monocomponent solvent adhesive for double coating (contact application)

USE

Bonding FPO synthetic waterproofing membranes **Mapeplan® T** on various substrates resistant to solvents

CHARACTERISTICS

Aspect:	viscous liquid
Dry solids content (%):	32
Density (g/cm ³):	approx. 0.9
Viscosity at supply (mPa·s):	3.100 (# 5 - rpm 20)

APPLICATION DATA (at +23°C - 50% U.R.)

Recommended temperature application:	+5°C ± +40°C
Open time (min.):	1-2 hours
Temperature of use:	-20°C ± +80°C

the boards).

If a protection treatment for the wood is required, it must be done before the application of **Mapeplan® ADS 300**. The surface must be dry and non-greasy. Treatment that forms a film or a barrier must not be used.

Metal sheets must be clean, free of oil and grease, if required, clean and degrease with suitable solvent, such as **Mapeplan® T Cleaner**, for example.

Metal sheets must form a continuous support, must not show threads and sharp burr edges which could damage the waterproofing membrane. Before applying **Mapeplan® ADS 300** make sure that the substrate is free from dust, dirt and loose materials.

Preparation of the product
Mapeplan® ADS 300 is ready for use. Mix before application.

Application of the product
Mapeplan® ADS 300 is applied by roller and brush.

Double coating bonding - contact adhesion (for vertical up stands, kerbs and FPO **Mapeplan® T** connectors). Apply the **Mapeplan® ADS 300** adhesive to both surfaces, the support and the **Mapeplan® T** waterproofing membrane a continuous layer making sure to distribute it uniformly on the whole surfaces to be coated.

Wait a few minutes to allow the solvent to evaporate. When the adhesive is still sticky (try with a finger), apply the waterproofing membrane on the support and press uniformly with a roller.

Attention: *after application it will not be possible to remove the waterproofing membrane without damage to the membrane or substrate surface. The spread rate depends on the quality and the absorption of the support. Curing time depends on environmental conditions.*

DIRECTIONS FOR PREPARATION AND APPLICATION

Do not apply **Mapeplan® ADS 300** in case of oncoming rain.

Do not apply on wet or humid surfaces as the adhesion of **Mapeplan® ADS 300** may be reduced or compromised.

Recommended temperature of application is between +5 °C and +40 °C.

CLEANING

The tools used during application must be cleaned before the adhesive dries using **Mapeplan® T Cleaner**. When the product dries it can only be removed mechanically.

CONSUMPTION

Consumption depends on the quality and absorption of the substrate, approximately for double coating bonding from 0.6-1.0 kg/m².

PACKAGING

Mapeplan® ADS 300 is supplied in 10 and 20 kg metal drums.

STORAGE

Mapeplan® ADS 300 may be stored for 12 months if stocked in dry site, away from heat, at temperatures between +5 °C and +30 °C.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapeplan® ADS 300 is easy flammable. It is recommended storing it away from naked flames and sparks, to avoid smoking, to prevent the build up of electrostatic energy and to work in well ventilated areas.

Mapeplan® ADS 300 causes serious eye irritation, may cause an allergic skin reaction, drowsiness and dizziness.

During use wear protective gloves and goggles and take the usual precautions for a safe handling of chemicals. If the product comes in contact with the eyes and the skin wash immediately with plenty of water and seek medical attention. Wear suitable protection for the respiratory system.

Furthermore **Mapeplan® ADS 300** is dangerous for the aquatic life, do not dispose it into the environment, it is recommended to dispose the product/ metal drum in compliance with the current regulations.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application.

For this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application; in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our web site www.polyglass.com.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com.

ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.

**Mapeplan®
ADS 300**



www.mapei.com

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