

# Mapeplan<sup>®</sup> 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 shanked nails (fixings must not protrude the surface of the boards).

If a protection treatment for the wood is required,

## 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 <sup>3</sup> ):	approx. 0.9
Viscosity at supply (mPa·s):	3100 (# 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

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/m<sup>2</sup>.

### **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 recommend 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** is also irritant for the skin, eyes and may cause drowsiness and dizziness. During use wear protective gloves and goggles and take the usual precautions for 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. We advise against using this product in the presence of pregnant women. Furthermore **Mapeplan ADS 300** is dangerous for the

aquatic life, do not dispose of it into the environment.

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](http://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](http://www.mapei.com). ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.***

**Mapeplan<sup>®</sup>  
ADS 300**



---

*The products of the MAPEPLAN range are produced by:*



Registered Office - Viale Jenner, 4 - 20159 Milan - Italy

Administrative Offices - Via dell'Artigianato, 34 - 31047 Ponte di Piave (TV) - Italy  
Tel. +39 04227547 - Fax +39 0422854118 - [www.polyglass.com](http://www.polyglass.com) - [info@polyglass.it](mailto:info@polyglass.it)