



MAXURETHANE® TOP

CLEAR SINGLE COMPONENT POLYURETHANE PROTECTION COATING FOR INDOOR AND OUTDOOR USE

DESCRIPTION

MAXURETHANE® TOP is a single component product based on aliphatic polyurethane resins. Once cured, it provides a transparent and elastic coating with high weathering resistance for use on concrete and masonry surfaces.

APPLICATION FIELDS

- As a sealer over concrete floors and ceramic pavements for abrasion resistance in sport centers, industrial warehouses, parking, terraces and balconies.
- As a protective coating for concrete and façades against aggressive environment such as acid rain, freeze/thaw cycles, marine environment, etc.
- As a chemical protective coating for swimming-pools, reservoirs, aquariums, cooling towers, etc.

ADVANTAGES

- Excellent UV resistance. Does not yellow.
- Chemical resistance against sea and wastewater, oils, diluted acids and alkaline solutions.
- Dustproof coating. Provides an anti-dust finish easy to clean.
- High durability.
- Elastic, withstands substrate movements.
- High adhesion on mineral and ceramic substrates.
- Designed for both vertical and horizontal applications.
- Ready to use by brush, roller, and airless spray gun.
- Quick drying.

APPLICATION INSTRUCTIONS

Surface preparation

Surface should be structurally sound and should be free from any dirt, oils, grease, dust, efflorescence, foreign materials, etc.

Smooth surface finish: **MAXURETHANE® TOP** is ready to be applied by brush, roller, and airless spray gun (spraying). When coating a porous substrate, a primer of **MAXURETHANE® TOP** with 50 % of **MAXSOLVENT®** is recommended. Apply two coats of **MAXURETHANE® TOP** ensuring second coat is applied perpendicular to the first. Before applying the second layer, allow 2 to 5 hours drying time, depending on temperature and humidity. Do not leave for more than 24 hours between coats. If this time does elapse before second coat can be applied then lightly sand the surface before proceeding with second coat.

Non-slip surface finish: Apply a primer of **MAXURETHANE® TOP** with 50% of **MAXSOLVENT®**. Allowing to dry the primer and then, apply a pure layer of **MAXURETHANE® TOP**. While this layer is still tacky, the whole area must be dusted by a dry-shake method with clean and dry silica sand (grain size from 0,1 to 0,5 mm). The recommended consumption for this non-slip surface is about 1-1,5 kg/m². For better aesthetic finish colored silica sand can be used. Once this layer is dry, sweep and vacuum surface to remove excess sand. A second layer of **MAXURETHANE® TOP** must be applied.

Application conditions

Suitable application conditions are temperatures from 10 °C to 35 °C and relative humidity from 35 to 75 %.

Curing

Allow a minimum curing time of 72 hours at 20 °C, before putting into service.

Cleaning

Before product hardens, tools and equipment must be cleaned immediately with the cleaner **MAXSOLVENT®**. Cured material only can be cleaned by mechanical means.

CONSUMPTION

Approximate consumption of **MAXURETHANE® TOP** is from 0,166 to 0,200 l/m² (5-6 m²/l) per layer and from 0,085 to 0,100 l/m² (10-12 m²/l) as a primer (50% of **MAXSOLVENT®**).

Consumption depends on the porosity of substrate. It is recommended applying a test area to determine consumption.

MAXURETHANE® TOP

PACKAGING

MAXURETHANE® TOP is supplied in 5 litres and 25 litres drums.

STORAGE

Six months in its original unopened container, in a dry covered place with temperatures from 5 °C to 30 °C.

IMPORTANT INDICATIONS

- Before applying **MAXURETHANE® TOP**, moisture content of the substrate to be coated must be lower than 5%.
- Do not apply on damp or wet substrates.
- New concrete should be cured for a minimum of 28 days.
- For further information, consult Technical Department.

SAFETY AND HEALTH

MAXURETHANE® TOP is a flammable product. Do not smoke at working area and keep it away from ignition sources. Use this product with adequate ventilation.

All precautions for handling, transportation, storage and application must be observed.

Avoid contact with eyes, skin and clothing. Use protective rubber gloves and eye protection during

application. In case of eye contact, flush thoroughly immediately with clean water. In case of skin contact, wash affected areas with soap and water for at least 15 minutes. If irritation continues, seek immediate medical attention.

For further information, Safety Data Sheet of **MAXURETHANE® TOP** is available by request.

Disposal of the product and its empty containers must be used according to official regulations. The proper disposal of the product is the responsibility of the user.

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, we beg to ask our Technical Department.

This version of bulletin replaces the previous one.

TECHNICAL DATA

Characteristics for liquid product

Appearance	Transparent liquid
Density (g/cm ³)	0,95
Viscosity (MPa·s)	50 - 200

Characteristics for application

Application conditions (T(°C)/R.H.(%))	10-35 / 35-75
Time between layers at 20 °C (h)	2-5
Curing time at 20 °C (h)	72

Characteristics for cured product

Appearance of applied product	Transparent coating
Adhesion on concrete (MPa)	2,5

Consumption

Approximate consumption per primer layer/per pure layer (l/m ²)	0,085 - 0,100 / 0,166 - 0,200
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