BASF

The Chemical Company

MASTERTOP® P 691

A single component polyurethane adhesion primer

DESCRIPTION

Mastertop P 691 is a fast curing, single component, moisture curing, clear polyurethane adhesion promoting primer. **Mastertop P 691** contains solvent.

RECOMMENDED FOR

Mastertop P 691 is designed for use as an adhesion promoting primer on CONIPUR membranes. Its uses include the application of a new membrane to an aged membrane e.g. in repair applications. It can also be used on aged membranes when renewing or repairing the UV protective top coat.

Mastertop P 691 can also be used as a primer on sand broadcast epoxy primers prior to the application of a spray applied membrane in applications where the membrane is permanently exposed to water.

FEATURES AND BENEFITS

- **Excellent adhesion** to aged membranes especially in applications where the membrane is permanently exposed to water
- **Rapid cure**
- **Long re-coating interval**
- **Low viscosity**
- **Low consumption**
- **Easy to apply**

PERFORMANCE DATA

Density		g/cm^3	1.03
Solid content	By volume	%	60
Viscosity		mPas	110
Re-coating interval	at 23°C/ 50% r.h	h h	min. 1 max. 24
	at 10°C/ 60% r.h	h h	min. 2 max. 36
Permissible ambient and substrate temperatures		°C °C	min. 5 max. 30
Permissible relative humidity		% %	min. 40 Max. 90

- Above figures are guide values and should not be used as a base for specifications.

ESTIMATING DATA

The consumption of **Mastertop P 691** is between 0.05 and 0.1 kg/m2 depending on the condition and porosity of the substrate.

The above consumption figures are intended as a guide only and may be higher on very rough or porous substrates.

APPLICATION

Mastertop P 691is a single component material. Prior to application, it should be conditioned to a temperature of 15° to 25° C. Pour the amount required from the original container and apply by spreading with a squeegee followed by back rolling. It is important to apply **Mastertop P 691** thinly and to avoid ponding. The curing time of the material is influenced by the humidity and the ambient and substrate temperatures.

At low humidity and low temperatures, the chemical reaction is slowed down; this lengthens the curing time and the re-coating intervals. At high humidity and high temperatures the chemical reaction is accelerated thus the time frames mentioned above are shortened acordingly. If the maximum re-coating times are eceeded, **Mastertop P 691** should be re-applied.

Following application, the material should be protected from direct contact with water which will impair adhesion to the subsequent coat. Ensure that the solvent contained in the material is allowed to flash off completely before applying the subsequent coat. The temperature of the substrate must be at least 3 K above the dew point both during the application and for at least 4 hours after the application (at 15 °C).

Substrate pre-treatment

The surface to which **Mastertop P 691** is to be applied must be clean and dry and free from oil and grease and any other substance which may impair adhesion. Membranes which have been exposed for more than 2 weeks should be abraded and the dust removed prior to application of **Mastertop P 691**.

CLEANING

Re-usable tools should be cleaned carefully with CONICA cleaner 40 or e.g. solvent naphtha.

PACKAGING

Mastertop P 691 is supplied in 19.5 kg cans.

STORAGE

Store in original containers, under dry conditions and a temperature between 15–25 °C. Do not expose to direct sun-light. For maximum shelf life under these conditions, see "Best before...." label.

PRECAUTIONS

In its cured state, **Mastertop P 691** is physiologically non-hazardous. The following protective measures should be taken when working with the material:

Wear safety gloves, goggles and protective clothing. Avoid contact with the skin and eyes. In case of eye contact, seek medical attention. Avoid inhalation of the fumes. When working with the product do not eat, smoke or work near a naked flame.

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For additional references to safety-hazard warnings, regulations regarding transport and waste management please refer to the relevant Material Safety Data Sheet.

The regulations of the local trade association and/or other authorities, regulating safety and hygiene of workers handling epoxy resins must be followed.

For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the BASF Construction Chemicals **Material Safety Data Sheet (MSDS)** from our office or our website.

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