



The Chemical Company

MASTERSEAL[®] 640 Primer

Single component polyurethane primer for absorbent substrates prior to application of MASTERSEAL 640 Membrane

DESCRIPTION

MASTERSEAL 640 PRIMER is a single component, solvent containing, polyurethane based primer for absorbent surfaces.

FIELDS OF APPLICATION

MASTERSEAL 640 PRIMER is recommended for:

- Primer for polyurethane waterproofing membranes like MASTERSEAL 640 membrane
- Can be applied on concrete, cement mortar, wood, etc.
- For certified systems using MASTERSEAL 640 Membrane

Contact the Technical Service of your local BASF Construction Chemicals office regarding any application required not mentioned here.

FEATURES AND BENEFITS

- Single component product that allows simple application without the need of mixture.
- Excellent adhesion.
- Excellent penetration and sealing of pores of concrete.
- Fast Curing.
- Elasticity to absorb substrate movements.
- Resistant to standing water.
- Frost resistant.

TYPICAL PERFORMANCE DATA

Application temperature (support and material)	: From +5 to +35 °C
Permissible moisture on the support	: Max. 4%
Tack free time	: Approx. 120 min
Re-coating interval	: Approx. 3 hours
Fully cured	: After 5 days
Service temperature	: From -20 to +80 °C
Adhesion to concrete	: > 2.1 N/mm ² (concrete cohesive failure)

Hardening times are measured at 22°C and 65% R.H. Higher temperatures and/or higher R.H. can shorten these times, and vice versa.

The technical data provided are the outcome of statistical results and do not represent guaranteed minima.

APPLICATION

Application method

(a) Support: All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles.

Clean of oil, grease, paint stains and other adhesion impairing contaminants.

Temperature of the support should be minimum +5°C and maximum +35°C.

Profile mechanically the surface by shot blasting, high pressure water jetting or other suitable mechanical preparation method.

After surface preparation the tensile strength of the substrate should exceed 1 N/mm² (check with an approved pull-off tester).

The residual moisture content of the substrate must not exceed 4% (check with e.g. CM device). The temperature of the substrate must be at least 3°C above the current dew point temperature.

Try to keep the temperature uniform during application and hardening.

(b) Application: **MASTERSEAL 640 PRIMER** is applied, normally in one coat, homogeneously covering the substrate. In certain cases, for complete sealing of substrate a second coat may be necessary.

For the application it is possible to use a brush, a short hair roller or an air-less spray gun.

(c) Application of MASTERSEAL 640 Membrane: After maximum 4 hours apply the waterproofing membrane. Refer to PDS for application guidelines.

For best performance:

- The product must not be applied when the temperature is below +5°C or above 35°C.
- Do not mix solvents, sand or other products that could affect the products properties must not be added.

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CLEANING

While still wet with solvent (e.g. solvent naphtha). Once cured it can only be removed mechanically.

ESTIMATING DATA

Approximately 200 to 250 grams per square metre are required per layer. These consumptions are theoretical and can vary according to the absorption and roughness of the support. It is essential to carry out representative trials on site to evaluate the exact consumption.

PACKAGING

MASTERSEAL 640 PRIMER is available in 5kg cans.

SHELF LIFE

Store in cool and dry warehouse conditions. Shelf life in these conditions is 9 months in unopened original containers.

PRECAUTIONS

Usual preventive measures for the handling of chemical products should be observed when using this product, for example do not eat, smoke or drink while working and wash hands when taking a break or when the job is completed.

For Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this **BASF Construction Chemicals** publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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