



We create chemistry

MasterSeal[®] M 860 (formerly known as Conipur M 860)

Polyurethane waterproofing membrane

DESCRIPTION

MasterSeal M 860 is a hand applied, solvent free, two component, self levelling, polyurethane based, elastomeric coating.

RECOMMENDED USES

MasterSeal M 860 is used in a variety of general concrete waterproofing applications including balconies, terraces, podiums roofs and car park decks.

MasterSeal M 860 is self levelling and is used on horizontal and near horizontal surfaces.

FEATURES AND BENEFITS

- **Monolithic** – no laps, welds or seams
- **Fully bonded** – if punctured water can't track
- **High water vapour permeability** – low risk of blistering from osmotic pressure
- **Optimum tensile strength**- Excellent crack bridging capability
- **Resistant to puncture** - high shore hardness
- **Unaffected by contaminants in ground water**-Resistant to constant contact with ground water
- **Thermoset** – does not soften at temperatures found in roofing or deck applications
- **Low Tg approx. 45°C**- Remains elastic at low temperatures
- **Fast setting**- Can be re-coated after only a few hours
- **Low VOC**-Solvent free

PROPERTIES

Mixing ratio A : B	100 : 180
Mixed density at 23°C	1.05kg/L
Mixed viscosity at 23°C	5200mPas
Working time(approx)	
at 10°C	35 minutes
at 20°C	25 minutes
at 30°C	15 minutes
Re-coating interval at 10°C	Minimum 8 hours Maximum 2 days
Re-coating interval at 20°C	Minimum 5 hours Maximum 1 day
Re-coating interval at 30°C	Minimum 3 hours Maximum 12 hours
Full cure at 10°C	5 Days
at 20°C	4 Days
at 30°C	3 Days

Recommended substrate temperatures	
Minimum	5 °C
Maximum	40 °C
Recommended relative humidity	max. 90%
Shore A hardness DIN 53505	75
Tensile strength DIN 53504	15 N/mm ²
Elongation DIN 53504	700%
Tear strength DIN 53515	21 N/mm ²

The performance data is typical and based upon controlled laboratory conditions. Actual performance on the job site may vary from these values based on actual site conditions.

APPLICATION

MasterSeal M 860 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, Pre-condition both the A and B components to a temperature of approximately 15 to 25°C. Pour the entire contents of Part A into the container of Part B. DO NOT MIX BY HAND. Mix with a mechanical drill and paddle at a low speed (approx. 300 rpm) for at least 3 minutes.

Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer blade fully submersed in the coating to avoid introducing air bubbles. DO NOT WORK OUT OF THE ORIGINAL CONTAINER. After proper mixing to a homogeneous consistency, pour the mixed parts A and B into a clean container and mix for a further minute.

MasterSeal M 860 is poured onto the prepared substrate and spread with a notched trowel or spreader (rubber or steel).

The temperature of the substrate must be at least 3°C above the dew point both during and for at least 6 hours after application (at 15°C).

Substrate pre-treatment

The preparation of the substrate and the use of the appropriate primer are of paramount importance. All substrates should be sound, clean and dry and free from oil or grease, loose particles and any other substances which may impair adhesion.

Concrete and other cementitious substrates must have a minimum pull off strength of 1.5 N/mm². Any laitance present on the surface must be removed mechanically.

Shot blasting or scabbling is the preferred method.



For Supplies please contact:
Bils Innovations (India) Pvt. Ltd.
Delhi, India
+91-11 42175807, +91 9582307311
Online Shop @ www.bilsinnovations.com

Ideas to Reality – Rendering Quality | Ecology | Safety



We create chemistry

MasterSeal® M 860 (formerly known as Conipur M 860)

Release oil and other contaminants which may impair adhesion must be removed prior to application of the primer.

For substrate pre-treatment on other substrates, contact your local BASF technical representative.

Primer

Ensure primer has cured to a 'tack-free' state prior to the application of MasterSeal M 860. Use the following guide to select the appropriate primer:

Substrate Primer

Concrete MasterEmaco 2525 or MasterTop P 601

Other substrates Contact your local BASF technical representative

Top coats and wear coats

MasterSeal M 860 does not have sufficient UV and weather resistance to be used in exposed applications without protection. A number of top coats and wear coats are available, including MasterSeal TC 458 which can be broadcast with dry silica sand to provide a hard wearing, slip resistant finish.

Note: if rain falls or dew occurs on the surface of MasterSeal M 860 then the membrane must be dried and MasterSeal P 691 applied prior to the application of any wear coat or top coat (even if the re-coat interval has not been exceeded).

For information about application, please obtain a copy of the BASF "Application Guide for MasterSeal M 860" from your local representative.

ESTIMATING DATA

The consumption of MasterSeal M 860 depends on the application. The quantity necessary for a 1mm thick film is 1.35 kg/m²

PACKAGING

MasterSeal M 860 is supplied in 30kg working packs.

SHELF LIFE

MasterSeal M 860 has a shelf life of 12 months. Store out of direct sunlight, clear of the ground on pallets protected from rainfall.

PRECAUTIONS

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 Material Safety Data Sheet (MSDS) from our office or our website.

ID#MasterSeal-M-860-India-v1-0314

STATEMENT OF RESPONSIBILITY (Disclaimer)

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.

® = registered trademark of BASF group in many countries

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF Construction Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF Construction Chemicals, are responsible for carrying out procedures appropriate to a specific application.

BASF India Limited
Construction Chemicals Division
Plot.No.12,TTC Area
Thane Belapur Road, Turbhe
Navi Mumbai - 400705,India
Tel: +91 22 67127600, Fax: +91 22 67917358
E-mail: construction-india@basf.com , www.master-builders-solutions.basf.in



For Supplies please contact:
Bils Innovations (India) Pvt. Ltd.
Delhi, India
+91-11 42175807, +91 9582307311
Online Shop @ www.bilsinnovations.com



Ideas to Reality – Rendering Quality | Ecology | Safety