



The Chemical Company

MASTERPREN[®] RE

(Formerly known as FLAGON SV)

Synthetic membrane of plasticised PVC

Description

MASTERPREN RE is a synthetic membrane made by the casting process. Made of plastisol layers, with different chemical & physical properties and has a layer of glass fibre inserted, for dimensional stability.

Typical applications

MASTERPREN RE can be applied in the following circumstances:

- Upstands and exposed areas in conjunction with membranes needing protection i.e. Masterpren RC
- Covered and inverted Roof Structures
- Landscaped areas and Roof Gardens
- Underground Structures

Advantages

- It has superior mechanical characteristics and is resistant to weathering and ultra violet rays
- High mechanical properties and resistance to puncturing
- Rot-proof
- Vapour permeable
- Resistance to root penetration
- If double welded it allows pressure testing of joints
- Can be bonded on verticals with the Masterpren PVC Adhesive
- Good resistance to hydrocarbons and bacterial attack
- Long life expectancy

Packaging and roll sizes

MASTERPREN RE is supplied in various thickness with 1.60 meter width and in lengths of 20 meters.

Thickness (mm)	1.2	1.5	1.8	2.0	2.4
Width (m)	1.60	1.60	1.60	1.60	1.60
Length (m)	20	20	20	20	20
Colour	Light grey				

Application procedure

Usually applied by Specialist Applicator. Please contact BASF Construction Chemicals for specific application assistance.

Watertight Systems & Engineered Solutions

BASF Construction Chemicals provide systems and engineered solutions, to suit the structure, at the design and construction stages, to ensure watertightness. Various products and elements which form an integral part of a system are manufactured and approved by BASF. The following ranges of products are available;

- Masterpren range – Preformed membranes
- Masterflex range - Active and passive joint treatment
- Masterseal range - Liquid applied membranes and protective coatings
- Masterflow range - High performance grouts
- Emaco and Concrevice ranges - Repair materials

Storage

Store out of direct sunlight, clear of the ground and on pallets.

Imported & Marketed in India by:

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MASTERPREN[®] RE

Physical / Chemical Properties

Properties listed are only for guidance and are not a guarantee of performance

Thickness DIN 53353	1.2mm	1.5mm	1.8mm	2.0mm	2.4mm
Specific weight (kg/m ²) DIN 53352	1.50 ± 5%	1.80 ± 5%	2.15 ± 5%	2.40 ± 5%	2.90 ± 5%
Tensile strength DIN 16726-5.6.1-C-VI (rectangular test specimen)	≥ 500N/5cm	≥ 600N/5cm	≥ 750N/5cm	≥ 800N/5cm	≥ 1000N/5cm
Average production value	L677 T639	L833 T803	L991 T934	L1079 T1043	L1211 T1198
Standard deviation	L28.2 T21.1	L29.5 T25.1	L25.3 T17.8	L27.6 T26.8	L30.2 T27.4
Elongation to break DIN 16726-5.6.1-C-VI (rectangular test specimen)	≥ 200%	≥ 200%	≥ 200%	≥ 200%	≥ 200%
Average production value	L243 T237	L254 T243	L250 T241	L260 T257	L263 T252
Standard deviation	L10.1 T8.4	L10.3 T9.2	L9.3 T7.8	L10.3 T8.8	L9.7 T9.8
Tear resistance DIN 53363	≥110N	≥135N	≥160N	≥170N	≥200N
Puncture resistance DIN 16726-5.12	≥450mm	≥800mm	≥900mm	≥1000mm	≥1500mm
Cold bending DIN 53361	≤-20°C	≤-20°C	≤-20°C	≤-20°C	≤-20°C
Hydrostatic pressure resistance (24 hours at 2 bar) DIN 16726-5.11	waterproof	waterproof	waterproof	waterproof	waterproof
Dimensional stability (%) after 6 hours at 80°C – DIN 16726-5.13.1	≥ -0.1%	≥ -0.1%	≥ -0.1%	≥ -0.1%	≥ -0.1%
Resistance to artificial weathering DIN 16726-5.17	no cracking	no cracking	no cracking	no cracking	no cracking
Root resistance	No penetration	No penetration	No penetration	No penetration	No penetration
Resistance to hail on rigid substrate SIA 280/9	≥ 23m/s	≥ 23m/s	≥ 23m/s	≥ 23m/s	≥ 23m/s
Thermal ageing an air mass loss after 56 days at 80°C	≥ 2.5%	≥ 2.5%	≥ 2.5%	≥ 2.5%	≥ 2.5%

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals representative.

BASF reserves the right to have the true cause of any liability determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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