



The Chemical Company

MASTERPREN[®] BG

(Formerly known as FLAGON BSL)

Synthetic membrane of plasticised PVC

Description

MASTERPREN BG is a synthetic membrane made of plasticised PVC manufactured by twin coloured co-extrusion method.

Thickness	1.5mm	2.0	2.2mm	3.0mm
Width	2.10m	2.10m	2.10m	2.10m
Length	20m	20m	20m	20m
Colour	Green / Black			

Typical applications

MASTERPREN BG can be applied in the following circumstances:

- Below ground Building structures
- Tunnels
- Water exclusion and protection of structures

Advantages

- Superior mechanical characteristics
- Signal layer shows damage and aids visual inspection on-site
- High mechanical resistance and elasticity
- Long life expectancy
- Resistance to wash-out action
- Resistance to root penetration
- Resistance to bursting at high water pressure
- Double weld allows pressure testing of joints
- May be welded to MASTERPREN W4 water stop to compartmentalise the structure
- Loose laid to act independently of structural movement

Packaging and roll sizes

MASTERPREN BG is supplied in various thickness with 2.10 meter width. Lengths can be manufactured to suit specific requirements but is generally 20 meters.

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 Concrevis 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[®] BG

Physical / Chemical Properties

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

Thickness DIN 53353	1.5mm	2.0mm	2.2mm	3.0mm
Specific weight DIN 53479 (g/cm ³)	1.30 ± 2%	1.30 ± 2%	1.30 ± 2%	1.30 ± 2%
Tensile strength DIN EN ISO 527-01 (hourglass test tube)	≥ 16N/mm ²	≥ 16N/mm ²	≥ 16N/mm ²	≥ 16N/mm ²
Average production value	L18.6 T17.8	L18.6 T17.8	L18.6 T17.8	L18.6 T17.8
Standard deviation	L0.6 T0.3	L0.6 T0.3	L0.6 T0.3	L0.6 T0.3
Elongation to break DIN EN ISO 527-01 (hourglass test tube)	≥ 300%	≥ 300%	≥ 300%	≥ 300%
Average production value	L326 T338	L326 T338	L326 T338	L326 T338
Standard deviation	L8 T11	L8 T11	L8 T11	L8 T11
Puncture resistance (mm) DIN 16726-5.12	1000	1100	1200	1800
Cold bending DIN 53361	30°C	30°C	30°C	30°C
Hydrostatic pressure resistance (72 hours at 4 bar) DIN 16726-5.11	Waterproof	Waterproof	Waterproof	Waterproof
Root resistance DIN 4062	No penetration	No penetration	No penetration	No penetration
Resistance to tearing	≥ 80N/mm ²	≥ 80N/mm ²	≥ 80N/mm ²	≥ 80N/mm ²
Average production value	L99 T105	L99 T105	L99 T105	L99 T105
Standard deviation	L3 T4	L3 T4	L3 T4	L3 T4

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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