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ULTRAFLEX SA NBS

Description:

Self-adhesive carrier-less SBS-modified bitumen membrane ULTRAFLEX SA NBS with spunbond as the top protective layer is designed for indoor waterproofing. Thanks to the special adhesive bitumen compound, the material can be used for indoor works, where the standard torch-on application is forbidden.

ULTRAFLEX SA NBS waterproofing material is produced by placing a special self-adhesive binder on a spunbond that covers the material on top. The other side of the material is covered with a removable protective film. The absence of a carrier is a key feature of this material that makes it very elastic and flexible.

Advantages:

- Used for indoor waterproofing with the direct installation of ceramic tiles onto the material without the need of protective sand cement screed (spunbond has to be treated with the contact primer before application of tile adhesive).
- Can be used on bases, where the standard torch-on application is forbidden (wood, XPS, etc.).
- High speed of application.
- Safety and cheap application – the membrane is applied without the use of gas and flame.
- No need for any additional equipment and skills.
- Cold application method prevents smoke, odors and noise.

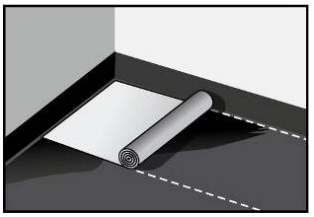
General requirements:

- Rolls of the material should be stored indoors in a dry place in their original packaging and taken to the construction site ready to use.
- Rolls should be stored upright in a 1-row height.
- Falls or other mechanical impacts should be avoided during transportation and storage. Roll's protective film should not be damaged.
- The application surface must be cleaned of dust, debris, grease, leaves, oil and should not have gaps and cracks or other irregularities to ensure proper adhesion of the membrane.
- Surface must be treated with primer before installation of waterproofing material.

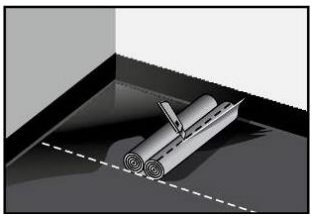
Installation:

- **INDOOR WATERPROOFING**

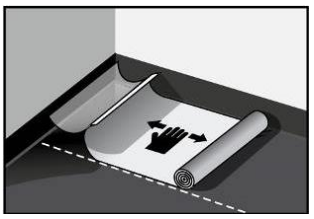
Clean and treat the surface with UNIVERSAL WATER BASED PRIMER.



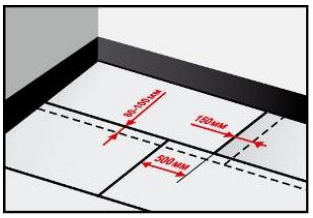
Fit and straighten the membrane to the area of application.



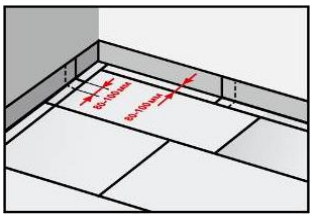
Re-roll the membrane to the centre, pre-cut the protective film.



Remove the protective film and smooth the membrane.



Longitudinal overlaps – 80-100 mm. End overlaps – 150 mm. End overlaps must be glued with bitumen mastic of 1 mm thickness.



The material is set to the required height on a vertical surface. Treat the spunbond with contact primer before application of tile adhesive.

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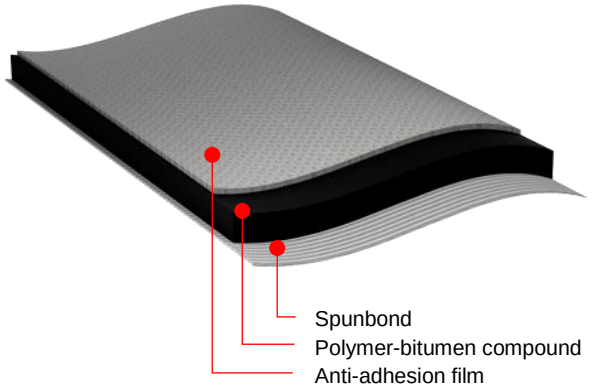
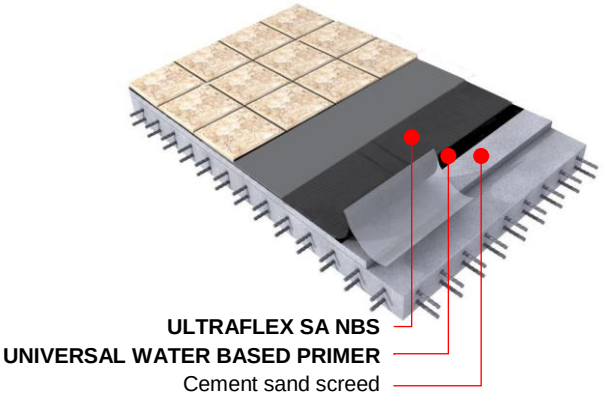
Material structure:



System solution:



Directions for use:

Self-adhesive bitumen membranes in cold periods tend to harden resulting in decreased adhesion. Installation of self-adhesive materials should be performed within the favorable climatic conditions i.e. dry weather and temperatures above +10°C. At temperatures below +10°C and high air humidity, the adhesion of the membrane could be compromised and therefore it is necessary to use the hot air to restore characteristics of the material.

Declared performance:

Essential characteristics	Test method	Performance	Essential characteristics	Test method	Performance
Protection of the top side	-	**spunbond**	Softening point, °C	ASTM D36	**≥+100**
Protection of the bottom side	-	**self-adhesive binder / anti-adhesion film**	Flexibility at low temperature, °C	EN 1109-1	**≤-15**
Length, m	EN 1848-1	**≥0.0**	Flow resistance at elevated temperature, °C	EN 1110	**≥+85**
Width, m	EN 1848-1	**≥1.0**	Visible defects	EN 1850-1	**Pass**
Straightness	EN 1848-1	**≤10 mm / 5 m**	External fire performance	EN 13501-5	**Froof**
Mass per unit area, kg/m²	EN 1849-1	**1.5±0.25**	Reaction to fire	EN 13501-1	**Euroclass F**
Thickness, mm	EN 1849-1	**1.5±0.10**	Dimensional stability, %	ASTM D5147	**NPD**
Type of carrier	-	**carrier less**	Adhesion of granules, %	EN 12039	**NPD**
Tensile properties: maximum tensile force L / T, N/50mm	EN 12311-1	**NPD**	Peel resistance of joints: overlap to overlap / overlap to film, N/50mm	EN 12316-1	**≥25 / NPD**
Tensile properties: elongation L / T, %	ASTM D5147	**≥60 / ≥60**	Water vapour transmission properties	EN 1931	**NPD**
Determination of shear resistance of joints, kN/m	EN 12317-1	**≥2.0**	Dangerous substances	Does not contain dangerous substances	

Footnotes: L / T – Longitudinal / Transverse; NPD – No Performance Determined.

Shelf life if all storage requirements are met: 12 months from the date of production.