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Reinforced Bitumen Roof Waterproofing Systems

Xtra-Gard Polytorch 20

APP Torch-On Capsheet

Xtra-Gard Polytorch 20 APP Torch-On Capsheet has been developed for use in high performance built-up systems on flat, pitched or curved roofs.

The Atactic Polypropylene (APP) additive improves the high temperature performance and gives improved weathering characteristics with higher slump resistance to the membrane.

Xtra-Gard Polytorch 20 APP torch-on capsheet is a high performance polyester reinforced, APP modified bitumen membrane. The upper surface is finished with a choice of Green, Brown, Charcoal or Blue-grey slate granules and the underside is finished with a thermofusible film which is rapidly removed during application with the roofer's gas torch. A 75 mm mineral-free selvage provides improved security at the side lap.

The self-finished mineral surface provides a decorative and solar reflective finish for the built-up waterproofing system. A plain finished version is also available; these membranes require permanent solar (UV) protection, such as reflective paint, chippings or pedestrian tiles.



PRODUCT INFORMATION

| Colour Availability | | Product Details | |
|---------------------|---------|-----------------|-----------------------|
| Green | 3102359 | Roll Dimensions | 8 m x 1 m |
| Plain | 3102360 | Roll Weight | 44 kg |
| Charcoal | 3102361 | Weight/Area | 5.5 kg/m ² |
| Brown | 3102362 | Base/Carrier | Polyester |
| Blue-grey | 3102363 | Bitumen Type | APP |



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Surface Preparation

All surfaces must be clean, dry and free from all contaminants that may affect the adhesion and performance of the membrane. Surfaces must be free of sharp projections and mechanical fixings must be well driven to prevent damage to the membrane.

Application

Xtra-Gard Polytorch 20 membranes are applied by torch-on application using a standard roofer's torch. The membranes should be heated carefully ensuring the heat dispersible film on the underside is completely removed as work proceeds and ensuring a continuous 5 mm bead of bitumen is extruded from all laps. Side laps must follow the manufactured selvedge with end laps a minimum of 150 mm. The cap sheet should be offset 300 mm from the underlay to avoid side build up. End laps should also be offset.

Important Note: Torch applied products are not suitable for direct torching to combustible substrates and care should be taken when using torch-applied products against details where there is a risk of fire due to debris or other flammable hazards.

Application

The membranes are delivered to site in rolls secured with tapes bearing the product name, type of surface finish, roll length, batch sticker. The material when removed from the pallet must be stood on end on a flat level surface, under cover and away from exposure to the sun and away from heat sources. Mechanical damage must also be avoided.

Do not store where membranes are liable to come into contact with hydrocarbon solvents, such as petroleum spirit or diesel oil or other organic solvents.



TECHNICAL DATA

| Performance | | | |
|-----------------------------|-------------|--------------|---------|
| Characteristic | Test Method | Result | Units |
| Watertightness | EN 1928 (B) | Pass | - |
| Tensile Strength (MD) | EN 12311-2 | 600 ±20% | N/50 mm |
| Tensile Strength (TD) | EN 12311-2 | 400 ±20% | N/50 mm |
| Elongation at break (MD) | EN 12311-2 | 30 ±15% abs. | % |
| Elongation at break (TD) | EN 12311-2 | 30 ±15% abs. | % |
| Low Temperature Flexibility | EN 1109 | ≤ -5 | °C |

MD=Machine Direction; TD=Transverse Direction

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice.

Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

For more information please visit

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