

BITUFLASH

APP polymer modified bituminous water proofing membrane sheet with mineral granules



Description:

BITUFLASH is a sheet of selected bitumen with modified APP polymers to form a high quality tough bitumen waterproofing system. The top surface is coated with mineral granules, which allows the permanent exposure to UV radiation. BITUFLASH can be applied by using torch on RCC and metal surfaces.

Uses:

BITUFLASH bituminous membranes are an excellent solution for waterproofing of:

- Retaining walls and basements
- Flat roofs under protective layers or ballast
- Balconies and terraces under tiles
- Wet areas
- Underground car parks
- Raft slabs
- Protection of various substrates in a wide range of applications

Advantages:

- Asbestos free
- Easily and inexpensively applied
- Resistant to most naturally occurring chemicals
- Odorless and taint free when dry
- Excellent flexibility
- Used for over 30 years in a wide range of environments
- Excellent adhesion to most common building substrates

Product Standard Compliance:

- ASTM D 5147
- ASTM D 5

- ASTM D 36

Company Standard Compliance:



Technical Information:

Properties	Specification
Appearance	APP modified
Thickness, mm (ASTM D-5147)	2,3,4
Mass Kg/Roll (ASTM D-5147)	40 ± 2
Softening Point, °C (ASTM D-36)	150 ± 5
Penetration @ 25°C, d/mm (ASTM D-5)	20 ± 5
Tensile Strength, L/T, N/5cm (ASTM D-5147)	550/400
Elongation, L/T % (ASTM D-5147)	30/35
Tear Resistance, L/T, N (ASTM D-4073)	300/200

Heat Resistance @ 120°C (ASTM D-5147)	No flow
Cold Flexibility, °C (ASTM D-5147)	0
Puncture Resistance, N (ASTM E-154)	> 400

Application Procedure:
Surface Preparation:

- All surfaces to be waterproofed should be clean, sound and dry. Priming of good quality, dense concrete is not necessary but for non-ventilated and damp surface priming is necessary. All inflammable materials from roofs to be removed and good roofing practices should be followed

Application:

- Roll out and align the membranes, then re-roll them tightly from both sides towards the centre.
- Heat the base and the bottom side of material at the same time to get a small bitumen flow.
- Heat the material and the base on all width of the roll, overlaps must be heated additionally.
- Longitudinal overlaps should be 100 mm; end overlaps should be not less than 150 mm.
- Cap sheet membrane should be positioned at a distance of min. 300 mm from overlaps of underlay membrane.
- On roofs with a slope <15% membranes are rolled out perpendicularly to the water flow, ≥15% along the water flow.

- In places of end overlaps of the cap sheet membrane the top side of the material (with slate) must be additionally heated by torch. Then the slate is pressed into bitumen by spatula to increase the adhesion of the following roll.
- **NOTE:** Cap sheet membrane is installed in the same way as underlay membrane. It is forbidden to install roll materials in a crossway.

Coverage:

It will give coverage of 1m x10 m @ 2 mm thickness.

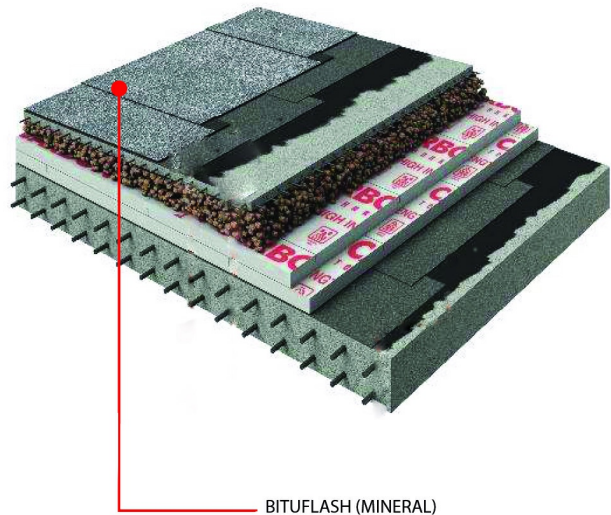
Packaging:

It is supplied as Roll (2mm, 3mm & 4mm mineral and non-mineral).


Storage & Shelf-life:

1 year from the date of manufacturing if stored in cool dry place under shaded area and if unopened sealed pack condition surface after completion of the preparation work.


3D Drawing:




BITUFLASH (MINERAL)




It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.



ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.



ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.




ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance



This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.



ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.