SMARZKOT B2FLEX

Rubberized Bituminous Waterproofing Membrane

Description:

SMARZKOT B2Flex is a cold applied liquid waterproofing membrane, specially designed from a blend of special resin and rubber, reinforced with special water-repelling fillers, minerals stabilizers and gelling agents. SMARZKOT B2Flex has an excellent adhesion, which dries to a tough, seamless, flexible, waterproof and vapour-proof membrane for concrete structures. Suitable for tropical and hot climatic conditions.

Uses:

- Tanking and waterproofing of substructures to provide an impervious membrane
- Vapour barrier of cladded walls
- Maintenance of many roof types including asphaltfelt roofs, concrete, cement, lightweight screeds, timber etc.
- As an adhesive for bonding insulation boards, expanded polystyrene, cork tiles etc.
- Damp proof membrane for roofs and floor slabs
- Efficient curing membrane to freshly laid concrete
- Basements, retaining walls

Advantages:

- High rubber content - 10 %
- Excellent adhesion to most building substrates
- Reduced chloride penetration
- Can be applied on damp substrates
- Non sagging
- Single component
- Water based
- Economical, easy to apply, reduces labour cost
- Can be applied on vertical and horizontal areas
- Impermeable to water
- Elastic, seamless, joint free
- Unaffected by high ambient temperature
- Resistant to aggressive soils and contaminated ground water
- Low odour, dries without generating strong vapour

Product Standard Compliance:

- ASTM C309-93
- ASTM D2939

Company Standard Compliance:

Technical Information:

Properties	Specification
Color	Black (dry)
Density	1.07 to 1.10
Tensile strength (N/mm²) (ASTM D412)	>1.5 @ 24 hours >2.5 @ 7 days
Elongation at break (%) (ASTM D412)	600 to 800
Cure time (ASTM C-836)	24 hour approx
Crack bridging	Up to 2 mm

Method of Application:
Surface Preparation :

- All substrates must be sound, clean, dry, smooth and free from protrusions, voids, honey-comb, sand high spots. Presence of curing agents, paint and oil will impair adhesion.
- Moss and lichen must be removed and area treated with proprietary fungicidal wash to kill spores and inhibit further growth. Following treatment wash area thoroughly with clean water and allow drying.
- Fillets must be provided at corners or sharp angles using 4:1 sand and cement mortar modified with a good quality bonding agent BUTABOND SBR (SL).

Priming :

- Priming is not normally required on good quality, well prepared substrates.

Application :

- Apply SMARZKOT B2Flex using an airless spray to obtain a continuous, unbroken film. Water can be added up to 5-10% during application to adjust consistency based on temperature and humidity. Apply four coats, with each coat being applied after the previous one has dried.
- For application with Glass Reinforcement Sheet (GRS), first apply one coat of SMARZKOT B2Flex, then place the GRS on the applied material while the first coat is still wet. Roll a paint roller over the GRS to ensure it is bonded with the applied material, then apply the remaining coats of SMARZKOT B2Flex.

Coverage:
SMARZKOT B2Flex : 1.1 kg/m² @1mm thickness
(Actual coverage depends on application techniques, ambient conditions, wastage, surface condition etc)

Packaging:
SMARZKOT B2Flex is supplied in 1,5,10 & 20 kg pails.

Storage & Shelf-life:
Minimum of 18 months shelf-life if kept under room temperature (i.e. 27°C).

Health & Safety:
SMARZKOT B2Flex is non-toxic. Gloves and goggles should be worn Any splashes to the skin or eyes should be washed off with clean water and use a dust mask while handing the powder. For more information about safety please prefer product material safety data sheet.

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.

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