



BLACK PAINT FOR WATERPROOFING



PROTECTION



HIGH STRENGTH



STRONG ADHESION



DURABLE



100% Silane



Eco Friendly



Long Life

हवा का प्रतिरोध करता है - एंटी-कार्बोनेशन - वॉटरप्रूफिंग - लचीलापन - कठोरता

Description

Engineer Plus Leakshield Black is 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 agent.

Uses

Ideal waterproofing system for concrete roofs, polyurethane foam slabs, polyester built up roofs, maintenance of existing roofs, masonry and concrete walls, bathrooms, basements, bridges, decks, metal surfaces etc. Used as a sandwich membrane in new construction and as surface treatment on existing slabs.

Method of Application

SURFACE PREPARATION

The surface must be thoroughly cleaned and should be free of dirt, gravel, dust and oil. The concrete should be dry and smooth. When applying directly over concrete or old, dry asphalt, prime first with primer coat. When using as a top coat to protect and rejuvenate existing smooth asphalt roofs, first repair all blisters, cracks, split seams and flashing.

PRIMER: For priming, primer coat of Engineer Plus Leakshield Black is applied on prepared surface. For primer coat use Engineer Plus Leakshield Black diluted with water in ratio of 1:2.

FIRST AND SUCCEEDING COAT

The coating is applied straight by using standard roofing brooms, brushes, squeegees or airless spray equipment, please check the viscosity to insure smooth spray of the product. Allow full curing of coating, (8 - 10 hours) before applying succeeding coats. For better results use Glass Fibre Reinforcement embedded into 1st Coat while it is still wet. To make the material more workable dilution with water upto 20% for 1st coat & upto 10% for 2nd coat is allowable.

Outstanding Features

- Engineer Plus Leakshield Black is a highly elastic product, and cures to a rubber like membrane capable of withstanding severe cases of expansion, contraction and deck movements.
- Highly resistant to oxidation, UV light and ozone because of unique additives used in compounding it. It does not crack.
- More durable than normal asphalt coating and lasts longer than most other coatings.
- Superior wetting and adhesion properties ensure durable bond and resistance to peeling, chipping, and/or separation and a longer life.
- Has the unique property of adapting itself over the irregular contours of the deck and forming a waterproof and impervious blanket.
- Single component, cold applied requiring no mixing or heating, saves labor costs.





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Storage & Shelf Life

Shelf life is 12 months in unopened container. Store away from sunlight and preferably below 30°C. Storage should be frost protected.

Cleaning

Tools: Clean all the tools immediately with water. Use of thinner may be necessary for dried up material.

Hands: Use a hand cleaner or water followed by soap.

Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

Coverage

• Approximate coverage of Engineer Plus LeakshieldBlack for a 2 coat application is around 20-25 sq. ft / kg in Metals ; 15-20 sq. ft / kg in Asbestos & 13-17 sq. ft in Concrete depending on surface porosities. DFT of approx 200-300 microns will be achieved in 2 coats.



Technical Data Sheet

Sr. No.	Properties	Result's
1.	Appearance	Smooth, Thick Paste
2.	Color	Black
3.	Specific Gravity	0.95 ± 0.10
4.	Solid Content %	55 ± 2
5.	Elongation @ Break	> 1365 %
6.	Viscosity (Spindle No: 7; RPM : 10 @ 25° C	50000 – 70000 CPS
7.	Water vapor Transmission (g / h – m ²)	0.46
8.	Tensile Set recovery, %	95
9.	Tear Resistance, KN/m	28 ± 10
10.	Service Temperature, 24 hrs @ 120°C	No shrinkage, brittleness
11.	Chemical Resistance, % Weight Change - 10 % Salt (Sodium chloride) - 5 % Alkali (Caustic Soda) 5 % Acid (Sulphuric)	3.0 2.0 3.0
12.	Tack Free Time @ 35° C	10 - 12 hrs
13.	Drying Time @ 25° C	10 - 20 min
14.	Flammability & Toxicity	0.95 ± 0.1
15.	Tensile Strength	0.51 N / m m ²