Technical Data Sheet

BLACK SHIELD 602
Rubberized Elastomeric Waterproof Coating

SHOOLIN®

DESCRIPTION
BLACK SHIELD 602 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.

FEATURES / ADVANTAGES
- SHOOLIN BLACK SHIELD 602 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.

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

COVERAGE
Approximate coverage of SHOOLIN BLACK SHIELD 602 for a 2 coat application is around 40-50 sq. ft / kg in Metals ; 30-50 sq. ft / kg in Asbestos & 30-40 sq. ft in Concrete depending on surface porosities. DFT of approx. 200-300 microns will be achieved in 2 coats.

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.

STANDARDS
- Conforms to ASTM D - 2823, D - 412, D - 471, E - 96 / BW, C – 836

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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.

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 Fiber Reinforcement embedded into 1st Coat while it is still wet. To make the material more workable dilution with water up to 20% for 1st coat & up to 10% for 2nd coat is allowable

STORAGE AND SHELF LIFE

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

HEALTH & SAFETY

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

INHALATION:

Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

EYE CONTACT:

Flush eyes with water for 15 minutes and call for medical help.

INGESTION:

Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

SKIN CONTACT:

Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

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TECHNICAL DATA

Appearance	Smooth, Thick Paste
Color	Black
Specific Gravity	0.95 ± 0.10 (ASTM D 1644-03)
Solid Content %	55 ± 2 (ASTM D 1475-03)
Elongation @ Break	> 1000 % (ASTM D 412-98)
Viscosity (Spindle No: 7; RPM : 10 @ 25°C	50000 – 70000 CPS
Water vapor Transmission (g / h – m²)	0.46 (ASTM E 96-95)
Tensile Set recovery, %	95
Tear Resistance, KN/m	28 ± 10
Service Temperature, 24 hrs @ 120°C	No shrinkage, brittleness
Chemical Resistance, % Weight Change - 10 % Salt (Sodium chloride) - 5 % Alkali (Caustic Soda) - 5 % Acid (Sulphuric)	 3.0 2.0 3.0
Tack Free Time @ 35° C	10-12 hrs
Drying Time @ 25°C	10-20 min.(ASTM D 1640-03)
Flammability & Toxicity	0.95 ± 0.1
Tensile Strength	0.51 N / mm² (ASTM D 412-98)

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