

Proofing

AQUATAR

Coal Tar Based Proofing

**General Properties:**

- **AQUATAR** is a proofing membrane based on the emulsification of certain grade of coal tar pitch.
- In contrast to Bitumen, it is invariably emulsified thus used on submerged or highly moisture substrata.
- Completely resistant to re-emulsification after drying.
- Exhibits low water absorption and low moisture vapor transmission.
- Can be used on moisture substrata (concrete, rocks, brick and steel) without danger of blistering which may occur with cutback or hot applied coatings.
- Eliminates the fire hazards of cutback and the problems of using heat and needed equipments.
- Excellent adhesion to porous and nonporous substrata like steel, P.V.C. polyethylene and the like.
- Has the advantage of fast drying even during hot weather - unlike Bitumen emulsion.
- Works as an isolation coat against electrostatic for underground structures due to different in PH between concrete and soil.

Consumption:

- Mild Conditions : 0.8 - 1.2 kg/m² 2 coats.
- Severe Conditions : 1.2 - 1.5 kg/m² 2 coats.

Uses:

- Gives exceptional performance on wet or dry rocks, concrete, lock gates and steel plants. It provides resistance to water, kerosene, weathering with better adhesion and high elasticity.
- Used in proofing foundations, roofs, bathrooms, external proofing of swimming pools, water tanks, retaining walls and the outside walls of underground water structure.
- Used as a protective coat for both internal & external concrete sewage structures, drainage system, concrete tubes, chimney linings, and for proofing to semi resilience floors.

Application:

1. Clean substrate well from any foreign materials.
2. Repair substrate - using **Creteprep** - especially construction joints, brick joints and hollow areas and be sure that substrate is completely sound.
3. Mix **AQUATAR** well in container until you get homogenous consistency ,wearing gloves, goggles and boots.
4. Apply the first coat using a roller, brush or squeeze. First coat can be diluted using water till 10%.
5. On the 2nd day apply 2nd coat in an opposite direction. It can be diluted till 5% .
6. On the 3rd day apply the 3rd coat if necessary.
7. Clean tools and equipments after application using water and soap.

Comparison between Tar and Bitumen

Scope	Emulsified Coal Tar based (AQUATAR)	Bitumen based Products
Application	Easy to apply on inclined, vertical surfaces	Sagging happens on inclined, vertical surfaces
Effect Of Kerosene	No effect	Kerosene removes paint easily after setting
Effect Of Heat	resists heat up to 160°C	Softens at 40°C and melts at higher temp.
First Setting	8 hours	Several days specially at hot weather
Tackiness	Not tacky thus easy to step over even at high temp.	Tacky specially under high temp

Technical Data:

Thin Film Set Time	: 8 hours.
Adhesion	: Excellent.
Elasticity	: Passed test over rod 3mm diameter (no cracks).
Heat Resistance	: Passed at 60°C for 48 hrs.
Kerosene & Water Resistance	: Passed ASTM D3320.
Shelf Life	: 12 months in closed containers away from direct sun light and humidity.

Environment: - Boots, rubber gloves, dust masks, and safety goggles.
- Refer to MATERIAL SAFETY DATA SHEETS (MSDS) .

END OF TECHNICAL DATA

For more information please contact our technical department

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