AQUACRETE®

SHIELD

(TWO PACK)

(NEW GENERATION NANO PARTICLE BASED HIGH STRENGTH COATING)

AQUACRETE® SHIELD is a milky white color two-part compound specially modified during the reaction between Epichlorohydrin and Bisphenol A at an intermediate stage. This is used to form a seamless high strength coating on wall, roof and other surface, high chemical and corrosion resistance, good mechanical and thermal properties, outstanding adhesion to various substrates, low shrinkage upon cure, good electrical properties and ability to be processed under a variety of conditions are the main characteristics.

This has been used in much kind of protective applications and found best results.

Such as surface coatings, small roof gardens (up to 100 Sqm.), damp protection from negative side.

1) Water proof durable coating
2) Can be applied on wet surface and will be cured within 24 hours.
3) This can be used in water tank inside for its nontoxic property.
4) Ideal for swimming pool waterproofing.
5) Can be applied by mixing of without water to produce a white putty over the damp affected putty surface to stop seepage from unknown sources. 6) Surface cracks can be easily sealed .

PHYSICAL PROPERTIES

Mixing Ratio	: part A 1kg: part B 1kg
Fresh water	: 1 LT.
Solids	: Content by weight 80%
Pot Life, (77 º F)	: 1 hour
Cure times (77 º F)	:24 hour
Dry to touch	: 60-120 minutes depending on the temperature of application area
Recoat	: after 24 hours (if required)

PERFORMANCE PROPERTIES

Gloss (60 degrees) 85-90
Pencil Hardness (ASTM D-3363) 2H
Adhesion to damp concrete (ASTM D-451) excellent after 48 hours
Impact Resistance (ASTM D-2794) Passes 120 inch-pound direct impact

MIXING- 1) Coating- Similar quantity of part A and part B should be taken by weight and mix it properly. Add slowly equal quantity water by weight (1:1:1) and stir it thoroughly to get the homogeneous mix.
You can adjust water as diluent as per your requirement. To stop water leakage, prepare a putty using part A and part B as recommended, do not add water in such case. Apply at the point before it starts to set.

Shelf Life:

Part A & B: 24 months, in unopened condition.
Do not allow *material to freeze, Store indoors at room* temperature not exceeding 50ºC.

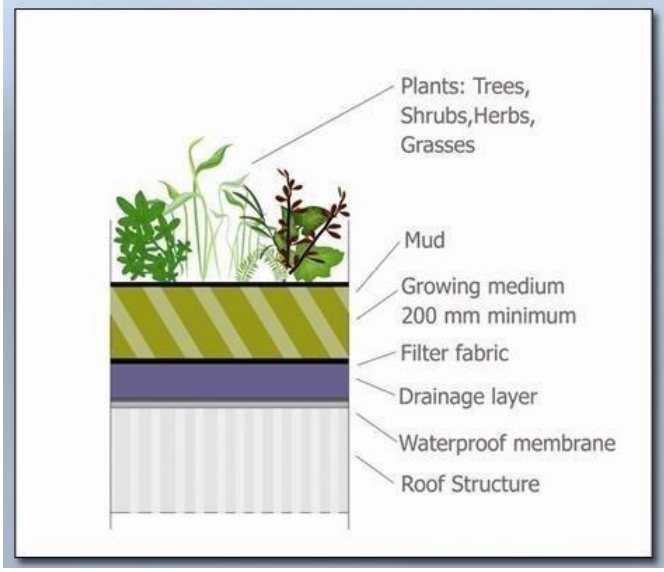
COVERAGE- Depends on the surface condition. normally 60-90 SQFT. per Ltr. after dilution with water as diluents in single coat over concrete surface.

Material handling safety data(MSDS)

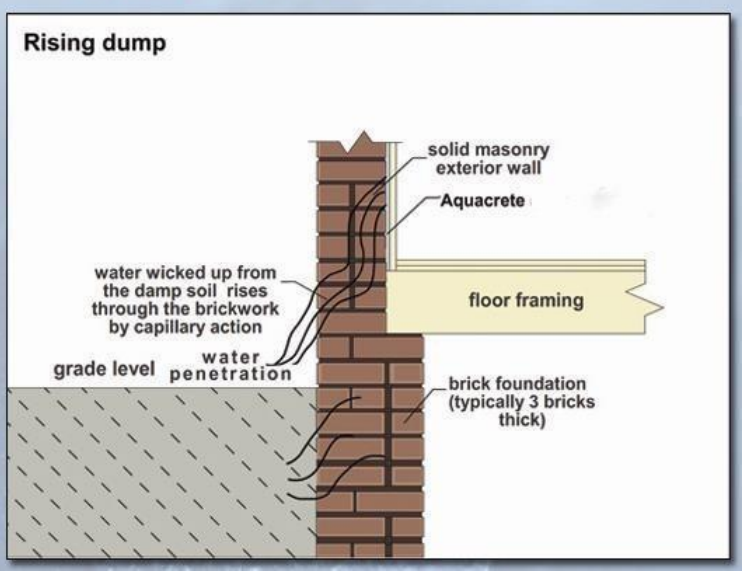
This is nontoxic and nonhazardous. But if comes in contact with eye, immediately wash with sufficient water, if necessary, seek doctor's advice. To avoid this wear safety glass for safety measure. Wear hand gloves, but in contact with skin wash hands with soapy water.

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ROOF GARDEN



CAPILLARY ACTION



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