



EMALITE

Abrasion Resistant Industrial Flooring Aggregate

DESCRIPTION

EMALITE is a factory processed and specially graded non-oxidising, non-metallic, non-magnetic and chemically inert mineral aggregate floor topping free from oil and grease.

USES

EMALITE when trowelled into the surface of concrete floors its forms a toughened hard-wearing surface suitable for industrial use. It is recommended for factory floors, warehouses, hangers and car parks that are subjected to heavy traffic.

FEATURES

- ◆ Provides built in wear resistance and produces a high abrasion resistant floor surface.
- ◆ Extreme surface density resists oil and water penetration.
- ◆ May be used for open and continuously wet areas.
- ◆ Non-rusting and easy maintenance.

PROCESS

EMALITE is dry mixed in the ration of 2:1 with cement broadcast evenly over the surface of freshly alid concrete and then trowelled to an uniform and smooth finish. **HARDSEAL** liquid surface hardener should be applied to the finish surface. (The application should be as detailed in **HARDSEAL** data sheet).

APPLICATION DATA

Flooring Concreting:

The floor concrete should be structurally sound and placed in accordance with good concrete practices. The water : Cement ratio should not kept to a minimum consistency with the need to produce a fully compacted concrete without excess water coming to the surface. Particular care must be taken at the corners and edges of the bays, hand ramming and firm trowelling being carried out to ensure that the level can be maintained throughout the subsequent trowelling operations.

MIXING & APPLICATION

Two bags (100 kgs.) of **EMALITE** and one bag (50kg.) of Portland Cement should be thoroughly dry mixed on a clean, flat surface. Water must not be added.

Always use full of **EMALITE** to ensure consistent grading.

Any **EMALITE** / Cement mix left over can be stored for use the next day providing it is kept in airtight containers. Any of the mix left exposed must not be used, as air setting of the cement will have occurred. The **EMALITE** / Cement mix should be broadcast in two equal stages, evenly over the surface of the freshly laid concrete as soon as the surface water has evaporated. Immediately after each stage of broadcasting of **EMALITE** / Cement mixture the first trowelling should be carried out, either by hand or by means of a power float. When the surface has sufficiently stiffened a second trowelling should be given to close any pores and remove any undulation in the surface. This should be followed by a final hand trowelling to remove any disc marks. The floor must be thoroughly cured for a minimum period of 10 days.

COVERAGE/DOSE RATE

This varies from 3 kg - 9 kg per m² depending on type of floor as follows:

Moderate duty	-	3 kg/m ²
Heavy duty	-	6 kg/m ²
Extra Heavy duty	-	9 kg/m ²

NOTE: The amounts are for **EMALITE** only, it must be mixed with 50% Portland Cement before it is applied to the floor surface.

PACKAGING

EMALITE is supplied ready to use in 50 kg polyethylene lined Waterproof Gunny Bags.

PRODUCTION INFORMATION

Although the basic formulation of our products generally remain unchanged, production refinements arising from continuing research and evolution programme may occasionally result in marginal changes in properties.

TECHNICAL SERVICE :

SWC group maintains a technical division with highly qualified technical personnel to investigate and advise on subjects related to Concrete and the Construction Industry. This division gives advise on the correct use and selection of right products at the right place.

SWC undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures. SWC undertakes Contracts on turnkey basis for total Waterproofing System with guarantee

NOTE : This Technical data sheet is to be used as guidance only. Although the basic formulation of the product remains unchanged, production refinements arising from continuing research and evaluation programmes may occasionally result in marginal change in properties. The recommendation and properties of the product based on continuous monitoring of the product are not intended to infringe on other patents.

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