



## FLEXI-CRETE NON-METALLIC FLOOR HARDENER

### DESCRIPTION

FLEXI-CRETE is a quartz-silica mixture of finely graded non-metallic aggregates, plasticizer and cement binder. It is a ready to use non-metallic floor hardener, specially design to provide resistance to abrasion and slip resistance for both interior and exterior use. It is non-rusting and can be used on floors that are frequently wet. FLEXI-CRETE is available in a natural cement colour or in decorative colours of tile red, terracotta, black, green, grey, brown and tan.

### USES

FLEXI-CRETE is use for all flooring which is subjected to heavy trolley wheels, forklift, pallet trucks, impact loading or storage of heavy objects such as warehousing, factories assembly plants, loading bays, vehicular floors or roads etc.

### ADVANTAGES

- Hardens concrete in one economical operation.
- Use of hard and properly graded aggregates increases the wear resistance over plain concrete floors.
- Use of pure minerals oxides that are bonded to the aggregates result in non-fading finishing floor surfaces.
- Prepacked and ready to use, it is factory blended to eliminates messy and expensive job-mixing and minimizes errors.
- Non-rusting materials make it possible to use FLEXI-CRETE outdoors as well as indoor.

- FLEXI-CRETE contains dispersing agent which makes it possible to incorporate FLEXI-CRETE into the surface of low slump concrete resulting in exceptionally high surface strengths for maximum wear resistance.

### METHOD OF USE

To a freshly screed concrete surface, just before its initial set, broadcast FLEXI-CRETE in two separate throws. Usually 2/3 amount of the dosage is use during the first broadcasting of FLEXI-CRETE.

*NB: The recommendation for the base concrete should have a slump of between 75mm and 125mm, as this will allow the water to react with the cement content in the FLEXI-CRETE.*

FLEXI-CRETE should be applied in bay size that allows application and completion within the setting time.

After 1st broadcasting of FLEXI-CRETE, the material becomes damp and absorbed water from the based concrete. The surface is then trowelled using a wooden float.

After the 2nd broadcast, repeat the above when the surface is hardened, mechanical trowel it to a hard dense concrete finish.

Application of a curing compound or water cure yield optimum results.

### SPECIFICATIONS

Setting Time	
Initial Set	2 – 3 hours 3 – 4 hours
Final Set	
Mohr Hardness Test	7

## CONSUMPTION

Light Traffic:	2.5 – 3.5 kg/m <sup>2</sup>
Medium Traffic:	3.5 – 5.0 kg/m <sup>2</sup>
Heavy Traffic:	5.0 – 7.5 kg/m <sup>2</sup>
Coloured Floors:	5.0 – 7.5 kg/m <sup>2</sup>

## PACKING

FLEXI-CRETE comes in 25kg bag at 60 bags per pallet.

## SHELF LIFE

If stored in a cool and dry place, the shelf life of FLEXI-CRETE is approximately 12 months in unopened bags.

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