

## am DURA-CRETE HARDENER (M)

### DESCRIPTION

**am** DURA-CRETE is a highly durable, ready to use-metallic floor hardener, specially design to provide resistance to shock, abrasion and impact loading for both interior and exterior use. It is non-rusting and can be used on floors that are frequently wet. **am** DURA-CRETE is available in a natural cement colour or in decorative colours of tile red, terracotta, black, green, grey, brown and tan.

### USES

**am** DURA-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 **am** DURA-CRETE outdoors as well as indoor.
- **am** DURA-CRETE contains dispersing agent which makes it possible to incorporate **am** DURA-CRETE into the surface of low slump concrete resulting in exceptionally high surface strengths for maximum wear resistance.

### METHOD OF USE

#### For Monolithic Floors :

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

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

After 1<sup>st</sup> broadcasting of **am** DURA-CRETE, the material becomes damp and absorbed water from the based concrete. The surface is then trowelled using a wooden float.

After the 2<sup>nd</sup> 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.

#### For Granolithic Topping :

The concrete substrate should be clean and free from grease, laitance and structurally sound.

Prime surface with a bonding agent and while tacky apply the topping mix. (See below table for recommendation)

When surface is slightly hardened, machine trowel to a dense finish

Apply a curing compound or water cure to yield optimum results.

## SPECIFICATIONS

Setting Time	
Initial Set	2 – 3 hours
Final Set	3 – 4 hours
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

**am** DURA-CRETE comes in 25kg bag at 60 bags per pallet.

## SHELF LIFE

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



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