

# INSEE Mortar 36

## Floor Hardener

### INSEE Mortar 36 Floor Hardener

is a non-metallic floor hardener specially formulated. Apply by sprinkling floor hardener onto the surface of fresh concrete after bleed water has evaporated then use a polishing machine or hand trowel polish until achieving dense, smooth and shiny finish. To increase abrasion resistant, surface hardness, durability on industrial floors.

### Advantage

- Concrete surface Mohs Hardness Scale: 7-8
- Abrasion Resistance Class AR2
- Impact resistance
- Dust proof
- Dense and smooths concrete surface

### Applications

It is formulated to increase durability on concrete floors, for high traffic or abrasion such as industrial floors, warehouse floors, public spaces, restaurants and museums.

### Coverage Rates

25 kg (1 bag) can cover an area of approximately 3-4 kg per sq m for medium duty and approximately 4-5 kg per sq m for heavy duty.

### Packaging

25 kg/bag

### Surface and Material Preparation

1. Pour good quality concrete properly to application, compressive strength should be more than 240 KSC cylinder at 28 days, and thickness leveled in accordance to the design.
2. Separate to each area in a correct quantity as the needed application rate, to control the materials to be accurate and effectively complete the work in a timely manner.
3. Prepare the amount of floor hardener as required, should be applied in 2 stages, 2/3 and 1/3 by weight of the needed application rate.



### Colors



### Instructions

1. Once the freshly poured and levelled concrete has reached its plastic state or walk away by leaving a footprint of about 3-5 mm deep, sprinkle floor hardener onto the concrete of 2 stages after bleed water has evaporated and concrete has a wet shine. The first application sprinkle 2/3 by weight of floor hardener by the recommended quantity uniformly over the concrete. Use a polishing machine to compact the material to the concrete surface. The second sprinkle 1/3 is then crushed with the concrete scrubber repeatedly until it is smooth to the right level. Wait for the concrete to set, then start polishing it with a polishing machine. Repeat until the concrete surface is shiny and dry.
2. Use a trowel to level and smooth the concrete surface, including the edges and joints, to enhance the beauty of the concrete surface."

### Jointing

For preventing cracks from shrinkage of concrete in the wider area, the contraction joints should be made within 24 hours in accordance with ACI 302.1R. After finish should seal the joint with sealant.

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### Curing

For prevent cracks should be cured with concrete curing compound immediately, the dry shake can also be wet cured. The water cured should be done at least 7 days. Be careful of the white stain and discontinuous color which is caused by dryness or lack of water.

### Storage & Shelf Life

Store in dry place. Avoid moisture and direct sunlight. An unopened package has a shelf life of 12 months from manufacturing date.

### Warning

Prohibited in areas where direct exposure to acids or other chemicals.

### Precaution

- Always wear gloves and protective equipment when in use. If your skin becomes irritated, please use soap and water to wash off the affected area immediately. If the symptoms do not improve, consult a physician.
- If the product gets into the eyes, rinse your eyes immediately with clean water several times and then visit a doctor.
- Do not eat, keep out of the reach of children.
- If the product is not used up within 1 day, the bag should be tightly closed and stored in a plastic bag. Roll the bag tightly.
- Lift with care.

### Technical Properties

Properties	INSEE Mortar 36
Abrasion resistance class	Class AR2
Maximun wear depth at 7 days	<0.2 mm
Surface hardness at 7 days	7-8