



Let's Build GREEN

AN ISO 9001:2015 CERTIFIED COMPANY

# MAP - FLOOR SHIELD (CR)

*Dry-shake, Non-metallic floor hardener*

## DESCRIPTION

MAP - FLOOR SHIELD (CR) is a carbo random aggregates, plasticizer and cement binder. It is an economical concrete floor hardener recommended for both interior and exterior use. MAP - FLOOR SHIELD (CR) produces a hard, dense, shear resistant surface which resists corrosion and absorption grease, alkalis and most chemicals is available in Grey, Red and Green color.

## USES

- Lobbies and waiting rooms of commercial and public buildings.
- Corridors and washrooms in institutional and public buildings.
- Restaurants and dairies.
- Auto showrooms and service centers
- Factory and warehouse floors
- Commercial and industrial facilities
- Steel mills and generating plants

## ADVANTAGES

- Hardens concrete in one economical operation
- Use of hard and properly graded aggregates increases the wear resistance over plain concrete floors.
- Ready-to-use factory blend eliminates messy and expensive job mixing and minimizes errors.
- Non-rusting materials make it possible to use MAP - FLOOR SHIELD (CR) outdoors as well as indoors.

## INSTRUCTIONS FOR USE

### Surface Preparation

Calculate the total quantity of MAP - FLOOR SHIELD (CR) to be used, divide and mark the area into suitable bays and set out the bags evenly around the perimeter of the application area. Make sure that the required wooden hand floats and power floats are on site and ready to use.

## PLACING CONCRETE

With the least possible handling, deposit concrete between previously placed screed points. Move concrete into place with square tipped shovel or other solid bladed tools. Vibrators when used should be inserted vertically and should not be used to move concrete. The concrete once place is further leveled and consolidated with wooden bull floats or hand floats. Remove any bleed water, which is present on the surface.

## APPLYING THE FIRST SHAKE

Transfer MAP - FLOOR SHIELD (CR) powder from the bags to pails of a size convenient for handling by the person walking on the freshly floated surface. When the concrete has set enough to leave a 3-6 mm footprint on the surface, start broadcasting 2/3rd of the quantity evenly over the surface. As soon as the material darkens, start working on the surface with wooden float. Power flats can be used but make sure that the surface is not overworked which results in excessive moisture surfacing.

## APPLYING THE SECOND SHAKE

As the floating proceeds, immediately follow the process by broadcasting, at right angles to the initial broadcast, the balance 1/3rd of the quantity set apart. Once the material darkens, float the surface with a poser float bringing the moisture completely though. In the case of heavy duty application the initial broadcast will be cone only with half the quantity. This is followed by two separate broadcasts each with the quantity and at right angle to each other

Sr. No	Properties	Specification
1	Finishing	Smooth & Anti-skid
2	Hardness on Mohs Scale	8 – 9

## BAY EDGES

Extreme care and attention should be given at the bay edges and corners as they endure heavy wear and tear. Bay edges are usually reinforced with one of the following ways.  
1. Immediately after the leveling of the fresh concrete, sprinkle by hand at a rate of 5 kg / m<sup>2</sup> in strips of 10 cm width along the bay edges (i.e., 0.5 kg per running meter)  
2. Immediately after the leveling of the fresh concrete, remove a wedge of concrete 10mm deep at the edges. Then apply a stiff mass of MAP - FLOOR SHIELD (CR) mixed with clean water. This must be fully compacted.

## CURING

Proper curing of the surface is very important for the achievement of the required physical properties of the finished floor. Salt water and brackish water should not be used for any curing purposes. Please refer to the detailed method statements for more intricate details on application.





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### TOOLS AND CLEANING

Tools and equipment can be easily cleaned with a clean water

### PACKING & COVERAGE

Packing : MAP - FLOORSHIELD (CR) is available in 25 kg woven bag.

Coverage : For Grey color MAP - FLOORSHIELD (CR)

Light duty : 3 kg/m<sup>2</sup>

Medium duty : 5 kg/m<sup>2</sup>

### QUALITY ASSURANCE

MAP PRODUCTS PVT LTD. is a firm of Assessed Capability. The company conform to the standard quality system, environmental management and is an ISO 9001:2015 , ISO 14001:2015 & OHSAS 18001:2007 Certified Company.

### PRECAUTIONS

- Do not apply over concrete containing aggregate contaminated with salt or salt water .
- Do not apply over concrete containing free water on the surface.
- Do not apply over concrete containing more than 3 % entrained air.

### HEALTH & SAFETY

MAP - FLOOR SHIELD (CR) should not come into contact with skin, eyes or be swallowed. Protective glasses should be worn during mixing and application. If MAP - FLOOR SHIELD (CR) comes into contact with skin, remove before hardening by washing with soap and water. If accidental eye contact occur wash with plenty of water and seek medical advice. If swallowed seek medical advice immediately. Do not induce vomiting. For full health and safety data refer to Product Safety Data Sheet.



CONCRETE  
ADMIXTURE



WATERPROOFING  
SYSTEM



MASONRY REPAIR



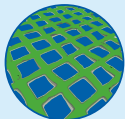
READYMIX  
MORTAR



ENGINEERING  
GROUT



FLOORING  
SYSTEM



TECHNICAL TEXTILE  
GLASS REINFORCEMENT



SEALANT



PROTECTIVE  
COATING



ADHESIVE  
BONDING AGENT

## MAP PRODUCTS PRIVATE LIMITED

101-Labh, Shukan Tower, Above A.D.C. Bank, Judges Bunglow, Bodakdev, Ahmedabad, Guj. 380 054



+91 75748 09626



info@mapaac.in



www.mapaac.in



www.mapaac.in