

Cement Based, Iron Aggregate Metallic, Ultra High Heavy-Duty Floor Hardener for Industrial & Warehouse Flooring

Metal [Iron Aggregate Type] System

Description **Cem Floor M75**, is a partially premixed ready to use, cast at 12mm until 40mm thick and a freshly floated on concrete floor, iron metal aggregate concrete floor hardener with excellent properties of impart, adhesion and high abrasion resistance.

Due to its special formulation, **Cem Floor M75** product is based on selected high grade of Aggregate Iron Carbon Course Mineral, Original Portland Cement Type II & Rheological Additives. For better workability of machinery floating on all types of flooring.

Use **Cem Floor M75** is recommended for superficial of floor slabs and screeds where smoothing surface, oils, greases, reduces dusting is required.

- Warehouses,
- Workshops,
- Car Parking,
- Complex Commercials
- Factories
- Port Pier

Colors Available Natural

Preparation The surface of the sub-floor must be clean, sound and free from dust,

Application The mixed material is poured onto the prepared floor surface and spread

| Technical Data | | Cem Floor M75 |
|------------------------|-----------|---|
| Density Fresh Mortar | | approximately 3550kg/m ³ |
| Mohs Hardness | DIN 52450 | 7 to 9 [steel score] |
| Final Set (Vicat) | DIN 52450 | approximately >3 hours |
| Compressive Strength | DIN 52450 | 28 days: 75N/mm ² |
| Tensile Strength | DIN 52450 | 28 days: <1.1N/mm ² |
| Flexural Strength | DIN 52450 | 28 days: 11N/mm ² |
| Ball pressure hardness | | after 1 days: 25N/mm ² after 3 days 48N/mm ² after 7 days 72N/mm ² |

Mixing with Water: Ratio # 25kg bag **Cem Floor M75** with 4.0-6.0 kg **Water** with mixing container.

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|------------------------------|--|----------------------------------|
| Application | The mixed material is poured onto the prepared floor surface and spread with a trowel to the required thickness in one operation. Apply at temperatures above 5 to 35°C. Cem Floor M75 is partially semi self-smoothing, but should any trowel marks persist, the surface may be easily semi self-smoothed with a wet trowel once the material is "finger-tight", i.e. not fully hardened. This can usually be done after approximately 40 minutes at normal temperatures. Alternatively the trowel marks may be "stoned" down with a carborundum block once the material has hardened. | |
| Cleaning of Equipment | All tools and mixing containers should be washed and cleaned in water immediately after use before the material sets. | |
| Coverage | Heavy Duty Floor | Approximately 12mm thick |
| | Medium Heavy Duty Floor | Approximately >20mm thick |
| | Ultra High Heavy Duty Floor | Approximately >30mm – 40mm thick |
| Packaging | Net weight 25 kg set | |
| Storage Shelf Life | Cem Floor M75 , 6 months if stored in dry conditions. | |

Handling Precautions

Wash off any mortar or latex on the skin before it dries. During mixing and application ensure adequate ventilation since the latex component contains ammonia which is volatile and may cause eye watering in confined spaces. Avoid generation of airborne dust during mixing. Cem Floor N88 powder contains more than 20% Portland cement and, therefore, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed:-
Avoid contact with the skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children.

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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