



KEM FLOOR HT

Non – Metallic Surface Hardener

DESCRIPTION:

KEM FLOOR– HT is ready to use non–metallic floor hardener based on especially high quality natural hard aggregates. It is because of these well graded aggregates that play an important role in properties of abrasion and wear resistances. KEM FLOOR– HT being non - metallic hardener is non–rusting and renders tough, wear resistant, dust free, anti–skid, long lasting and maintenance free floors. KEM FLOOR- HT bonds monolithically to the base concrete and are suitable for existing as well as new floors

PRODUCT SPECIFICATION / COMPLIANCES:

Appearance	– Cementitious grey powder
Hardness	– 7 on Mohs' scale

PRIMARY APPLICATIONS:

- All surface subjected to heavy wear, tear & impact.
- Provides high abrasion resistant surface, hence useful for shop floors, warehouses etc.
- Heavy traffic areas viz, loading bays & rafts.
- Car parking areas, garages and trucking lanes, container terminals etc.
- Hard toppings for all indoor & outdoor floors installations.
- Power plants metallurgical industries, automobile industry, etc.
- Exhibition halls, stadiums, railway platforms, etc



KEM FLOOR HT

Non – Metallic Surface Hardener

PRODUCT FEATURES:

- Hardwearing and dustproof floor toppings.
- Anti- skid & Anti- slip in case of oil spillages.
- Good water proofing properties, hence suitable for constantly wet rooms & exteriors.
- Non- rusting and therefore trouble free.
- Resistant to petrol, diesel, and vegetable oils.
- Abrasion resistant is twice as good as normal concrete.
- Increases strength & impact resistant.
- Suitable for old floors, new floors & repairs.
- Substantial increase in service life and therefore works out economical.

APPLICATION METHOD:

KEM FLOOR – HT can be applied on both old floors as well as new floors. Proper joints should be made in both the cases as per standard norms of provision of joints.

- a. Application on the existing concrete floors.

KEM FLOOR –HT has to be applied by the use of compensating layer. The base concrete should sound, clean & free from oils & other contaminations to have proper bonding of the compensating layer. The existing surface should be wetted for 24 hours prior to placing of compensating layer. All the surface water should be removed. Apply the slurry coat to the base concrete consisting of a mixture of cement –fine sand (1:2) prepared with KEM BOND AID AR admixed with water (KEMBOND AID AR: Water = 1:3). Then apply the compensating layer about 30 mm thick consisting of cement–aggregates (50%- below 10 mm & 50% below 4.75 mm) in the ratio of 1:3. Cement content should be at least 400 kgs/m³ & water /cement ratio of about 0.45, this layer should be well compacted. KEM FLOOR – HT can be sprinkled immediately during the initial set.

b. Application on newly cast floors.

In case of newly cast floor the base concrete should have minimum cement content of 300 kg / m³ and placed in accordance with good concrete practices. The bleeding water should evaporate and KEM FLOOR – HT can be sprinkled during initial set. The time between casting of concrete & KEM FLOOR – HT broadcasting will depend upon the ambient temperature.

APPLICATION OF KEM FLOOR – HT

KEM FLOOR –HT dry mix usually applied in two stages. The concrete /compensating under screed base should be free from bleed water and sufficiently hardened to allow light foot traffic, First two-third (about 65-70%) of the dry mix sprinkled evenly by hand or scoops. Once the material becomes evenly dark by absorption of the surface water, it is floated by wooden float, but the surface should not be over worked. Immediately thereafter, the remaining one-third (30-35 %) of the dry mix should be evenly sprinkled in the similar manner but at right angle to the first application and should be similarly spread evenly. Final finish can be done by trowel ling to give the desired finish with power-float of weight not less than 60 kg. Particular attention should be paid to bay edges and corners to ensure full compaction. Final troweled floor surfaces should be cured with KEMCUREAID 10W or conventional curing methods.

COVERAGE: Light traffic 3 – 3.5 Kg / sq.m
Medium traffic 4 -5 kg/Sq.m
Heavy Traffic 6 – 7 kg /sq.m

STORAGE: Store in a cool and dry place away from moisture and direct sunlight. Open bags must be closed immediately after use.

PACKAGING: 25 kg moisture resistance bag.

SHELF LIFE: 1 year in original un - opened bag in dry condition

TECHNICAL SERVICE:

Chembond has established itself in various fields on the basis of its dependable technical service. For this purpose, we maintain a well equipped laboratory for research & quality assurance of all products. Our experienced personnel are always on call and would always be available for product demonstrations and product performance monitoring.

SAFETY PRECAUTIONS:

KEM FLOOR HT is cementitious alkaline product; care should be taken to avoid contact with eyes, skin, and mouth and food stuff. Any splashes on the human body must be washed with plenty of water

Page 4 of 4

Chembond Chemicals Limited

Chembond Centre, EL-71, MIDC,
Mahape, Navi Mumbai, India – 400 710,
Tel.: +91 22 66143 000, Fax: +91 22 768 1294
Website: www.chembondconschem.com
E-mail: sales@chembondconschem.com

Limitations of Liability: This information is based on our current level of knowledge. It is given in a good faith but it is not intended to guarantee any particular properties. The users must satisfy themselves that there are no circumstances requiring additional information or precautions or the verification of details given herein.