



# FLOORHARD® HiPERdensifil

Nano Chemical Based Liquid Floor Hardener & Dustproofer  
Product code:M-0413

## INTRODUCTION:

**FLOORHARD® HiPERdensifil**, with most effective and highly advanced active chemicals, is the premium sealer, hardener and densifier for concrete. This treatment deeply penetrates and reacts with the concrete to produce insoluble calcium silicate hydrate within the concrete pores. Treated surfaces resist damage by water, chemical attack, erosion or surface abrasion. The surface sheen imparted by **FLOORHARD® HiPERdensifil** reduces dusting and simplifies maintenance producing a cleaner, healthier environment. **FLOORHARD® HiPERdensifil** will also provide extended coverage rates in comparison to other conventional silicate hardeners. Safer and easier to apply than conventional hardeners, **FLOORHARD® HiPERdensifil** will not activate or contribute to surface ASR (Alkali Silicate Reaction).

## Unique Features:

**Densifies & Seals** micro-pores in the top layer of concrete creating permanent, extremely hard, marble-like shield. It will seal the surface in about 7 days. **FLOORHARD® HiPERdensifil** will not absorb water or contribute to floor sweating. Gloss and hardness do not reduce slip resistance. Cures quickly. Most floors can be opened to traffic within three hours of treatment. **Maximum Hardening** will effectively and significantly increase abrasion resistance in comparison to conventional hardeners. **Dust Proof** making concrete easy to maintain. No waxing required. Surface sheen and protection is visible after 1 day – improves over 7 days with normal traffic and maintenance. Produces fast surface gloss that will improve with traffic and maintenance. Improves performance, appearance and light reflectance of new or old concrete. **Reduces or Eliminates ASR** due to high lithium content. High concentrations of sodium or potassium salts which can contribute to surface crazing and surface ASR are not present in **FLOORHARD® HiPERdensifil**.

**Permanent** impregnated surface for the life of the concrete will be achieved with a single penetrating application. May be applied to broom finished, steel trowelled, power trowelled or burnished concrete finishes before final cure. **Helps Concrete Curing**, however **FLOORHARD® HiPERdensifil** does not meet the ASTM-309 Standard. To meet this standard and create a membrane, use dissipating, water-based curing agent. For best results, use **FLOORHARD® HiPERdensifil** first for hardening, sealing and densification then water-based, dissipating curing membrane; **Easy to Use**. One step application. No white, salty spots on concrete. No scrubbing and flushing required after application. No caustic waste water. Reduces application time and costs of diamond polishing operations. **Compatible** with all FloorHard hardeners, densifiers, sealers and cleaners. **Planet Safe**, water-based, contains no solvents, non-toxic, no smell, complies with all known national, state and district AIM VOC regulations, non-mutagenic & carcinogenic (safe in food preparation areas), non flammable, fast drying, easy





DATASHEET

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to apply. **FLOORHARD® HiPERdensifil** is breathable and UV stable. **Complies with all known national, state and district VOC regulations:**

## USES AND TARGET MARKETS:

Supermarkets - Shopping malls - Manufacturing Facilities -Parking garages - Transport depots - Convention centers- Warehouses - Stadiums - Food processing facilities- Bottling plants - Airports (hangars) - Distribution centers- Docks and port facilities

## HiperDensifil Products:

HiperDensifil 1970	HiperDensifil 2120	HiperDensifil 2600
For Less Dense Concrete	Used for High Gloss Level	High Level of Densification

## ADVANTAGES:

**SIMPLE PACKAGE:** Material is pre-packaged in a convenient and easy to handle size. Requires no site mixing.

**EASY TO USE:** Brush or spray applied, normally in two coats.

**SAFE:** Non-toxic when cured.

**COST EFFECT:** Durable hence economical.

## APPLICATION DATA:

### SURFACE APPLICATIONS

Concrete (new and existing) - Concrete with dry shakes Polished concrete - Colored concrete Acid-Stained concrete - Stamped concrete - Cementitious Tiles –

### STANDARD COVERAGE RATES

DIV.4: FLOOR HARDENERS



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FLOORHARD HiPERDensifil/R2-10-2015





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STEEL TROWELED CONCRETE 10-20 m<sup>2</sup> per liter, CONCRETE WITH DRY SHAKES 20 m<sup>2</sup> per liter. **PLEASE NOTE: COVERAGE RATES WILL VARY WITH CONCRETE QUALITY AND POROSITY.**

## CLEANING

All tools should be cleaned with water immediately after use.

## STORAGE:

Store in dry, frost-free conditions at moderate temperature not **greater** than 25 °C.

## PACKAGING:

20 lit pack

## SAFETY DATA:

- Irritating to eyes, respiratory systems and skin.
- Risk of serious damage to eyes.
- Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- After contact with skin, wash immediately with plenty of clean water.
- Wear suitable protective clothing, gloves and eye/face protection.

Please consult our technical department for further information.

## WARRANTY

Multichem warrants **FLOORHARD®** to be free from manufacturing defects as defined in this warranty. Manufacturing defects are considered to be those defects that occur due to the quality of the ingredients or from the manufacturing process itself. This warranty does not include labor costs and other costs or expenses associated with the removal or installation of **FLOORHARD®**.

Because the Multichem does not perform the actual installation, it cannot be held responsible for the results of the application. Multichem specifically disclaims problems that occur due to weather conditions, structural movement, structural design flaws and application techniques.

This warranty is in lieu of all other warranties expressed or implied including the warranty of merchantability and fitness of purpose and of all other obligations or liabilities on Multichem part. Multichem neither assumes nor

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authorizes any person to assume for Multichem any liability in connection with the sale and installation of FLOORHARD®.

Because of constant improvement of manufacturing techniques and formulations, Company reserves rights to change this datasheet and its contents without prior notice.



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