



## SELF LEVELLING FLOOR TOPPING:

Ideal for fast-track retrofits, **LevelTop<sup>®</sup> SUPERHARD** is the answer for old or damaged concrete floors that need a new, smooth and level wear surface. Commonly used in retail, commercial and light manufacturing applications, **LevelTop<sup>®</sup> SUPERHARD** provides a smooth, permanent wear surface. It installs with minimal preparation and fast drying time to help keep even the most aggressive schedules on track.

A self-leveling, portland cement-based topping, **LevelTop<sup>®</sup> SUPERHARD** is pumped in and quickly fills dips, voids and cracks to create a smooth, hard wear surface. It can be coated with a **FloorSeal EP** or any other sealer of Multichem brand just 8 hours after installation, except when an epoxy or other floor covering will be installed.

## FEATURES & BENEFITS:

### ON THE JOB FOR A SUPER FAST SET AND SMOOTH, HARD FLOORS

- High fluidity for fast installation
- Pourable or pumpable
- Low in-place cost
- Self-drying
- Non-shrinking
- High strength
- Ready for foot traffic in two hours
- Return to service in 24 hours
- Highly durable

### YOUR PROVEN PARTNER PROJECT SUCCESS

**LevelTop<sup>®</sup> SUPERHARD**, smooth and repairs, all with superior speed and a high-strength set. It's the superior solution for 0-38 mm thin-topping applications. Ideal for thin or thick topping applications over concrete, **LevelTop<sup>®</sup> SUPERHARD** dries fast to keep your job on schedule, and to allow for placement of floor goods soon after application.

### POUR ON THE SPEED AND EFFICIENCY

**LevelTop<sup>®</sup> SUPERHARD** lets you cover a lot of floor in amazingly little time, and it conveniently pumps in to save on labor and cleanup. It installs from a featheredge to 38mm thickness in just one, easy pour.



**LevelTop<sup>®</sup> SUPERHARD technical data:**

<b>Compressive Strengths: Modified ASTM C 109</b>	Typical: 27 N/mm <sup>2</sup> in 3 day 33 N/mm <sup>2</sup> in 7 days 42 N/mm <sup>2</sup> in 28 days
<b>Dry Density:</b>	Approx. 1922-2003 kg/m <sup>3</sup>
<b>Tensile Strength: ASTM C348</b>	720 PSI (5 MPa) (28 Days)
<b>Flexural Strength: ASTM C 348</b>	1250 PSI (9MPa)
<b>Coverage:</b>	1.00-1.20ft <sup>2</sup> /kg/6mm thk
<b>Packing:</b>	25 kg bag

**APPLICATION DATA:****Installation**

Preparation — Concrete subfloors must be fully cured, moisture free, and have no efflorescence. The substrate surface shall be clean, dust and contaminant free. Cracks should be filled with a crack filler, Multiflex AC/ CrackFix. Plumbing or electrical penetrations should be packed with insulation and sealed.

Subfloor — All subfloors must be structurally sound, solid, free of dirt, mud, dust, grease, curing and sealing compounds, and other contaminating factors. All subfloors must be dry and a minimum of 10 °C. Mechanically clean the surface by shotblasting or scarifying. Shotblast to an IRCI Concrete Surface Profile 5 (CSP 5). On wooden floors a slipsheet must be used with galvanized metal lath. All cracks in the subfloor should be repaired to minimize telegraphing through the underlayment/topping.

Priming — To promote proper hydration and to ensure a solid bond, the subfloor must be coated with Multichem Floor Primer. **LevelTop<sup>®</sup> SUPERHARD** should not be poured without first priming the subfloor.

Mixing — The **LevelTop<sup>®</sup> SUPERHARD** should be mixed using Multichem-approved pumping equipment.

Testing — For **LevelTop<sup>®</sup> SUPERHARD**, field testing must be performed in accordance with modified ASTM C 109M. Before independent sampling, contact the Multichem quality control department to ensure that proper procedures are followed.

**SEALERS & MAINTENANCE:**

The surface of the **LevelTop<sup>®</sup> SUPERHARD** must always be protected from oil, salt, water and surface wear by applying a Multichem approved protection system. This is done within 24 hours after installation of **LevelTop<sup>®</sup> SUPERHARD**.



# LEVELTOP<sup>®</sup> SUPERHARD

Cementitious Self-Leveling Floor Topping Product

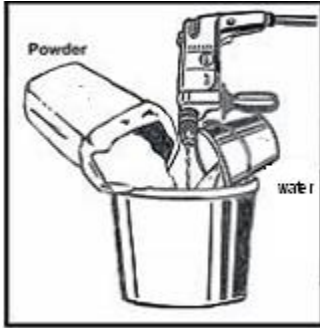
Protect floor from point loading and install nylon or felt type furniture leg floor protectors on all furniture. Use desk floor pads at all work stations to prevent scratching from wheeled or other desk chairs. Contact Multichem for a copy of the 'Procedures Guide for Choosing an Appropriate Sealer or Coating for **LevelTop<sup>®</sup> SUPERHARD**'.

Multichem can not be held responsible for scratches or other damage caused by construction trades, moving crews or other abuse. For epoxy or seamless flooring installations over **LevelTop<sup>®</sup> SUPERHARD**, the manufacturer and installer of the flooring will be responsible for compatibility, bond test patches, installation recommendations and warranty. Because Multichem does not perform the actual **LevelTop<sup>®</sup> SUPERHARD** installation, they cannot be held responsible for the results of epoxy or seamless flooring over **LevelTop<sup>®</sup> SUPERHARD**.

## Limitations

1. Do not pour **LevelTop<sup>®</sup> SUPERHARD** where the floor temperature is less than 10 °C or greater than 38°C.
2. Protect the poured mortar from wind and sun, and from freezing temperatures for the first 72 hours.
3. The structural subfloor and floor joist must comply with manufacturers' maximum span criteria. Typically a deflection limitation of L/360 is adequate for Multichem Toppings. Some floor coverings such as marble, stone, travertine, and ceramic tile may require a stiffer floor system. Multichem Toppings are non-structural and therefore cannot be expected to reinforce structurally deficient subfloors. The general contractor, architect, specifier, or building owner should make necessary allowances for expected live, concentrated, impact, and/or dead loads including the weight of finished floor goods and setting beds.
4. During construction, place temporary wood planking over the Toppings wherever it will be subjected to heavy wheeled or concentrated loads.
5. **LevelTop<sup>®</sup> SUPERHARD** is for interior use only.
6. **LevelTop<sup>®</sup> SUPERHARD** will not structurally bridge over expansion joints, saw cuts or structural cracks. They should be allowed to continue through the **LevelTop<sup>®</sup> SUPERHARD**. The architect or structural engineer must specify expansion joints and show their location in areas that will receive hard surface floor goods, such as ceramic or marble tile and hardwood flooring.
7. For deeper fills, call Multichem for application procedures.
8. For applications other than those over structural concrete call Multichem for application procedures.
9. Multichem Toppings are "breathable" and not a vapor barrier. The general contractor, architect, specifier, or building owner shall test slabs-on-ground or elevated slabs for MVER (ASTM F1869-09) or RH (ASTM F2170). If the MVER or RH of the concrete substrate exceeds the floor covering manufacturer's respective requirements for the finished flooring system, the concrete must be treated with a moisture barrier, such as **Multiguard DPM**, before installation of a Multichem Underlayment or Topping.





**CLEANING:**

All tools should be cleaned with water immediately after use.

**STORAGE:**

Store in dry, frost-free conditions at moderate temperatures not greater than 25 °c.

**WARRANTY**

Multichem warrants LevelTop products 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 LevelTop Products.

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

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