

# LEVEL Self Leveling Mortar

### COMPANY INFORMATION

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### PRODUCT NAME

LEVEL Self Leveling Mortar

### PRODUCT DESCRIPTION

LEVEL Self Leveling Mortar is a cement-based self leveling underlayment formulated with a special blend of binders, polymer & chemical additives. It is used to even, correct & smoothen the concrete slab before installing finished flooring (e.g. carpet, vinyl & ceramic tiles, wood laminates and hardwood) on interior & exterior covered concrete floors. With outstanding flow & high compressive strength properties, LEVEL produces smooth, durable & hard surfaces with 3 - 5mm thickness, perfect for relatively flat floors that need minor flatness & roughness corrections.

### THE LEVEL ADVANTAGE

- ✓ Self leveling
- ✓ Outstanding flow properties
- ✓ Excellent bonding strength
- ✓ High Compressive strength
- ✓ Ready to accept any finishing
- ✓ Fast curing & Time saving
- ✓ Pre-mixed to ensure good, consistent quality



### CLASSIFICATION STANDARD

- ✓ ASTM C109 Compressive Strength of Hydraulic Cement Mortars
- ✓ ASTM C1437 Flow of Hydraulic Cement Mortar
- ✓ BS EN 1015-9 Mortar for Masonry

### TECHNICAL DATA

<b>Water demand</b>	7L per 25kg bag	
<b>Coverage Area</b>	2m <sup>2</sup> at 5mm thickness	
<b>Flow / working time</b>	0 - 20 minutes	
<b>Skinning time</b>	20 minutes	
<b>Walk on time</b>	24 hours depending on humidity	
<b>Full curing time</b>	28 days	
<b>Compressive strength</b>	2900 psi (20Mpa) at 28 days	
<b>Flammability</b>	<b>Flame spread</b>	0
	<b>Fuel contribution</b>	0
	<b>Smoke development</b>	0
<b>Floor finishing installation</b>	<b>Moisture-insensitive tile &amp; stone</b>	24 hours
	<b>Other floor coverings</b>	72 hours
<b>VOC</b>	0 g/L, calculated SCAQMD 1168	

Physical properties are typical values and not specifications.

### SURFACE PREPARATION

The concrete surface must be fully cured and structurally stable. Keep the surface clean and free from paint & contaminants such as dirt, dust, loose material, oil, chemicals and other foreign matter that might prevent LEVEL from adhering to the substrate. Do not acid etch or use adhesive removers, solvents and sweeping compounds to clean the substrate. Shot blasting, scarifying and other similar methods are the best way to clean solid concrete. Dormant cracks and joints should be repaired prior to application of leveling mortar.

Dampen the substrate with water before applying LEVEL Primer. On the concrete substrate, apply LEVEL Primer using a brush or roller. To make sure that application area is completely covered, apply LEVEL Primer in 2 coats. Allow to dry. Depending on weather and humidity conditions, LEVEL Primer will dry in approx. 30 minutes. 4L LEVEL Primer at 2 coats covers approx. 10 m<sup>2</sup>.

**Joints and Cracks:** Under no circumstances should LEVEL be installed over any moving joints or cracks. This will reflect or appear on the mortar as cracks therefore it is best that the underlayment and flooring will follow all existing expansion joints, isolation joints and construction joints.

### APPLICATION GUIDE

#### 1. Mixing

##### Mixing Ratio

7L + 25kg **LEVEL<sup>®</sup>**

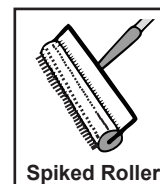
for best results:  
use mixing torque

Pour water into the mixing pail and add powder. Use a mixing torque or paddle and stir the mixture thoroughly for approximately one (1) minute to obtain a smooth and lump-free mix. Observe the correct mixing ratio for best results. Bubbles or foam while mixing, or settling of the sand aggregates during installation, indicates that too much water has been added in the mix.

**Caution: Use only non-absorptive materials as mixing base (plastic pail or G.I. sheet).** If absorbent materials such as plywood, wooden box, gypsum board, fiber cement board or cardboard is used, it will affect the chemical properties of the product, which can result in bonding failure and poor product performance.

#### 2. Application

Pour the LEVEL mixture immediately on to the concrete surface. Spread and smoothen the mixture using a spiked roller to remove entrapped air and to create seamless and continuous joints. LEVEL is designed to be installed at an average thickness of 5mm, fully bonded to the substrate. To maintain the homogeneity of LEVEL, always prepare the exact quantity needed for the total floor area to be covered.

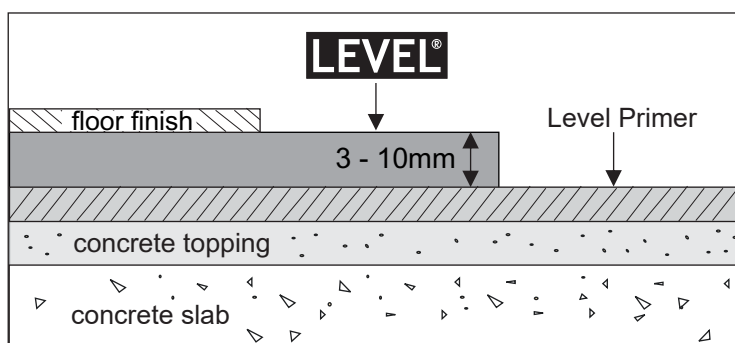


##### Curing Time

**28**  
days

Protect the newly applied mortar by allowing foot traffic only after the walk on time has been reached.

### SECTIONAL DETAIL



### PACKAGING

25 kg multilayer paperbag

### STORAGE & SHELF LIFE

When stored in a cool dry place & in its original unopened packaging, Level Self Leveling Mortar will remain usable 3 months from date of manufacture.

### WARRANTY

Due to variety of applications, different working methods and the various properties of bases, we cannot assume responsibility or liability with regard to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case are valid.

