

LEVEL T15 Self Leveling Screed

COMPANY INFORMATION

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PRODUCT NAME

LEVEL T15 Self Leveling Screed

PRODUCT DESCRIPTION

LEVEL T15 Self Leveling Screed is a cement-based self leveling underlayment, formulated with a special blend of binders, polymer and chemical additives. Specifically designed to smoothen a concrete slab before installing finished flooring (e.g. carpet, vinyl & ceramic tiles, wood laminates and hardwood), LEVEL T15 can also be placed on top of floor slabs with dormant, active cracks and joints using unbonded application. LEVEL T15 can be installed on interior and exterior covered concrete floors to create smoother, more durable and tougher surfaces.

THE LEVEL T15 ADVANTAGE

- ✓ Self leveling
- ✓ Outstanding flow properties
- ✓ Excellent bonding strength
- ✓ High Compressive strength
- ✓ Ready to accept 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

Water demand	5L per 25kg bag	
Coverage Area	1m ² at 15mm thickness	
Percentage of Flow	140%	
Flow time	10 minutes	
Initial setting time	50 minutes	
Final setting time	120 minutes	
Full curing time	28 days	
Compressive strength	2900 psi (20Mpa) at 28 days	
Flammability	Flame spread	0
	Fuel contribution	0
	Smoke development	0
Walk on time	4 hours depending on humidity	
Floor finishing installation	Moisture-insensitive tile & stone	24 hours
	Other floor coverings	72 hours
VOC	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 contaminants such as dirt, dust, loose material, oil, chemicals and other foreign matter that might prevent LEVEL T15 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.

Put an expansion joint 3mm width around the perimeter walls and columns by installing a flexible material like rubber or PE foam. This flexible strip should be at

least 5cm above the finish level of the screed. Once the screed has cured, cut off the excess strip prior to installation of flooring.

Joints and Cracks: Under no circumstances should LEVEL T15 be installed over any moving joints or cracks. This will reflect or appear on the screed 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



Caution: Use only non-absorptive materials as mixing base (plastic pail or galvanized iron sheets). 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 form of bonding failure or poor product performance.

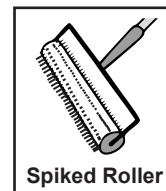
Pour water into the mixing pail and add powder. Use a mixing torque or paddle and stir the mixture thoroughly to obtain a smooth and lump-free mix. Observe the correct mixing ratio for best results.

NOTE: There are 2 indicators to find out if too much water has been added in the mixture:

- bubbles & foam while mixing
- settling of sand aggregates during installation

2. Application

Pour the LEVEL mixture immediately on to the surface. Spread and smoothen the mixture using a spiked roller to remove entrapped air and to create seamless and continuous joints. LEVEL T15 is designed to be installed at an average thickness of 40mm. To maintain the homogeneity of LEVEL T15, always prepare the exact amount needed for the total floor area to be covered.

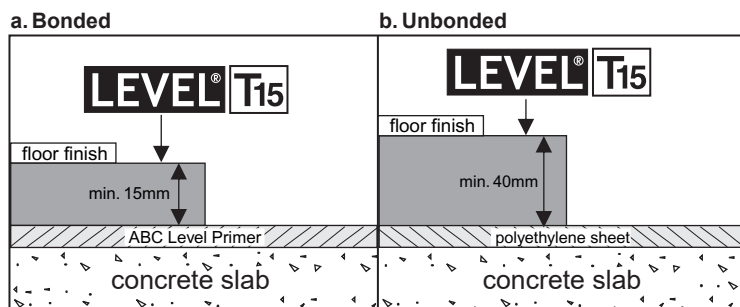


Bonded Installation: Dampen the substrate with water before applying LEVEL Primer. On the concrete substrate, apply LEVEL PRIMER using a brush or roller. Allow it to dry approximately one (1) hour depending on weather and humidity conditions. The minimum thickness for this application is 15mm.

Unbonded Installation: For moisture protection, a plastic sheet or Polyethylene film (PE film) must be laid on top of the surface area to be applied before applying LEVEL T15. All joints must be taped. The minimum thickness for unbonded application is 40mm.

Protect newly applied mortar by observing the proper curing time.

SECTIONAL DETAIL



PACKAGING

25 kg multilayer paperbag

STORAGE & SHELF LIFE

When stored in a cool dry place & in its original unopened packaging, Level T15 Self Leveling Screed 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.