



SELF LEVEL TUFF TOP 560

Specially formulated floor levelling compound designed to achieve a smooth flat surface for application of tiles, vinyl timber floors and floating floor systems. Designed as a stand alone overlay for internal and external application.

PRODUCT DESCRIPTION

Self Level Tuff Top 560 is a specially formulated floor leveling compound designed to achieve a smooth flat surface for the application of carpet, vinyl, tiles and floating floor systems.

BENEFITS

- Rapid drying accepts human traffic in 3-4 hours.
- Ready to use simply add water and mix.
- Large areas can be reinstated in relatively short time period.
- Eliminates need for sand/cement screeds.
- Can be applied from 2mm – 20mm in a single application.
- Large area can be applied with no cracking or delamination.
- Floor coverings can be applied 24 hours after application.

FIELD OF APPLICATION

- As a general-purpose economical underlayment for carpet, vinyl, tiles, timber floors.
- Reinstatement of uneven concrete slabs/ floors.
- Leveling defective concrete that does not meet requirements of after trades such as vinyl, tiles carpet.
- Rapid repairs with minimal down time. Use in commercial domestic and light industrial applications.

BS EN 13892-4 ABRASION RESISTANCE REPORT

Extract from Table 3 BS 8204-2:2003+A2:2011: Classification of abrasion resistance and limiting depth of wear for abrasion test. Recommendations for concrete base, direct finished (DF) only as wearing surface or concrete base upgrade by dry shake/sprinkle finish and applied wearing screed.

Class	Service conditions	Application	Maximum Test Wear depth(mm)
Special/wearing screed	Severe abrasion and impact from steel or hard plastics wheel traffic or scoring by drag metal objects	Very heavy-duty engineering workshop and very intensively warehouse	0.05
AR1/WS	Very high abrasion; steel or hard plastics wheeled traffic and impact	Heavy industrial workshop and intensively used warehouse	0.10
AR2/WS	High abrasion; steel or hard plastics wheeled traffic and impact	Medium duty industrial and commercial	0.20
AR3/WS	Moderate abrasion; rubber tyred traffic	Light duty industrial and commercial	0.40

APPLICATION INSTRUCTION

SURFACE PREPARATION

- All surfaces **must be** clean and free from grease, oil, paints sealers, curing compounds, dust or any material that will affect the bonding capabilities of the primer/leveling compound.
- Foreign material such as bitumen, adhesive or coatings such as epoxy must be removed via mechanically such as scabbing, captive shot blasting or grinding followed by vacuuming to remove dust and dislodged material.
- If large holes and cracks are present, fill with **Self Level Tuff Top 560** mix with equal portions medium grade dry sand.
- All substrates must be primed with Universal Primer 500. Ensure concrete slabs are at least 14 days old prior to application of **Self Level Tuff Top 560**.

PRODUCT INFORMATION

Appearance	Light grey when cured		
Application Temp	From +5°C to +35°C		
Setting time	Initial setting time (minimum-maximum)	5°C - 30°C	40 min – 25min
	Final setting time (minimum-maximum)	20°C - 30 °C	55 min – 35 min
Application Thickness	2- 20mm single application Minimum application for vehicle traffic interior 15mm		
Age(days)	14 days	Compressive Strength: 43.8 MPa	Flexural Strength: 4.88 MPa
	28 days	Compressive Strength: 44.8 MPa	Flexural Strength: 16.0 MPa

WORKING TIME

Temperature(° C)	Human Traffic Time	Time to cover with floor covering or coating
5	10-12hrs	48hrs
10	5-7hrs	48hrs
15	4-5hrs	24hrs
20	3-4hrs	16hrs
30	2-3hrs	8hrs

PACKING

25kg bag

SHELF LIFE

12 months if stored in the original sealed packaging in dry, low humid environment. Avoid exposure to direct sunlight.

APPLICATION OF SELF LEVEL TUFF TOP 560

Apply the mixed **Self Level Tuff Top 560** to the prepared and primed substrate using a trowel, squeegee or screed bar to give the required finished thickness. The maximum thickness applied in any application should be limited to 30mm. Consult SB technical staffs for thicknesses greater than 30mm. Feather edging must be kept to a minimum.

MIXING

1) Mixing requires 6.0 – 6.5 litres of water per 25kg bag. Accurately pre-measure the required water and add to the mixing bucket. Slowly add powder to the water whilst continuously mixing. Using an electric mixing drill with a high shear stirrer or a spiral mixing paddle mix the contents for 5 – 8 minutes ensuring a uniform homogenous consistency is obtained

- Do not mix using hand.
- Do not add excess water: Water level greater than 6.5 litres per bag will result in segregation, bleed and a powdery soft surface.

2) Only mix the quantity of material that can be used within the working time of the material. Apply the **Self Level Tuff Top 560** immediately after completion of mixing. Ensure subsequent mixers are ready to allow continuous uninterrupted pouring onto the entire surface.

- Do not rework or retemper any partially set product. Discard any material that has stiffened, hardened or cured

CLEANING

Wash all tools and equipment with fresh, clean water immediately after use. **Self Level Tuff Top 560** can only be removed mechanically.

PRECAUTIONS

- **Self Level Tuff Top 560** is used as an overlay but **must not** be subjected to total water immersion.
- Do not add excess water.
- New concrete must be minimum 14 days old.
- Do not use in areas subject to hydrostatic pressure.
- If moisture content of slab is greater than 5%, apply **Universal primer 500** (moisture barrier) prior to application of **Self Level Tuff Top 560**.
- Do not allow **Self Level Tuff Top 560** to come into contact with water before or after the cure process.
- If substrate over which **Self Level Tuff Top 560** is applied moves or cracks, reflective cracking will occur.
- Do not apply **Self Level Tuff Top 560** over expansion or construction joints as cracking may occur.
- Do not apply **Self Level Tuff Top 560** in direct sunlight or drying winds as pre-moisture dry will occur, and possible cracking may occur.
- Always use mechanical mixing to mix the **Self Level Tuff Top 560**.
- Feather edging should be kept to a minimum.
- Allow a minimum of 3 days cure at 20 °C for internal/ external application prior to subjecting to vehicle traffic.
- Do not apply point loading on any area of the floor as cracking may occur. This will be predominant in section less than 5mm thick.
- For heavy duty traffic, it is recommended that a minimum of 15mm of **Self Level Tuff Top 560** be applied.
- Apply floor coating- Epoxy, Acrylic or Urethane 24 hours after final cure if required.

CONCRETE SURFACES WITH HIGH MOISTURE CONTENT

- For concrete surfaces that contain a moisture content of greater than 5% moisture / relative humidity greater than 75% / surfaces subject to rising damp or moisture due to hydrostatic pressure, a minimum of two coats of **Universal primer 500** is recommended to be applied prior to application of **Self Level Tuff Top 560**.

• Allow the first coat of **Universal primer 500** to cure before applying the second coat. Refer to **Universal primer 500** Technical Data Sheet prior to application. .

PRIMING

- Prime all prepared areas with **Universal primer 500** using a roller, brush, broom or spray application. Refer to Technical Data Sheet of **Universal Primer 500** prior to application.
- Apply **Universal primer 500** at a coverage rate of 5-7 square meters per litre.
- For extremely porous substrates a second coat of primer may be required to eliminate air bubbles, pinholes and adhesive issues that may arise due to insufficient primer.
- For very dense and non-porous substrates such as burnished concrete surfaces, it is also recommended to use **Universal primer 500** as the primer.



Legal Note

The information and any recommendations relating to the application and end-use of all Super Builders products are provided in good faith based on Super Builder knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by Super Builders. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions. Please consult our technical department for further information

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