

PRODUCT DESCRIPTION: FIBTOP 90 is an advanced sub floor smoothing compound. It is virtually tension free & designed to rapidly level & smooth hard sub floors prior to applying a floor finish. Used in conjunction with either or Fibfloor Cem Primer, FIBTOP 90 can be applied old sub floors, e.g. floor screeds & other hard and rigid bases. FIBTOP 90 is a grey powder consisting of special cements and high quality synthetic resins. When mixed with water, a fluid, self-leveling mortar is produced which can be applied from a feather edge up to the required thickness in one operation. For thicknesses greater than 10mm, incorporate ANTISLIP AG in the mixed mortar, FIBTOP 90 can normally be walked on after approx. 2 hours at $27 \pm 1^\circ\text{C}$ and dries and hardens rapidly so that even thick applications are ready to receive floor coverings within one day at $27 \pm 1^\circ\text{C}$.

AREAS OF APPLICATION

FIBTOP 90 will level and smooth, in a single Application of:

- Internal sub-floors of concrete, cement/sand, quarry tiles, etc.,
- Prior to the installation of floor coverings.
- Applications include smoothing tamped, uneven, damaged or rained-on insitu concrete sub-floors, adjusting tolerances or camber problems between floors, slabs or pre-cast concrete as well as smoothing old sub-floors and screeds in renovation projects.

FIBTOP 90 is especially useful where the installation time of the floor finish must be kept to a minimum.

ADVANTAGE

- Weather resistant
- Resist dampness
- Good alkaline and efflorescence resistance
- Anti-fungus and algae resistance
- Easy application

APPLICATION

SURFACE PREPARATION

The surface must be hard, sound and free of dust, dirt and other barrier materials such as grease, paint, lime coatings, plaster and excessive adhesive residues, etc. Use a suitable Degreaser to remove polish, wax, grease, oil and similar contaminating substances. Latiance should be removed from concrete surfaces. Direct to earth sub-floors must have an effective damp proof membrane.

PRIMING

Prime the surface with Fibfloor cem Primer by brush or roller.

MIXING

Take the required amount of water in a clean mixing container add the powder whilst stirring thoroughly until a lump-free mortar is produced. The mixing proportions by volume are approximately 5.68 – 6.25 litres of water per 25kg bag. Use the minimum amount of water for thick applications or cold conditions.

The use of an mixing paddle with a 10 mm chuck slow speed (600 - 1,000 r.p.m.) electric drill makes light work of mixing. Mixed FIBTOP 90 should be applied within 30 minutes at $27 \pm 1^\circ\text{C}$. This time is extended at lower and reduced at higher temperatures.

APPLICATION

Pour the mixed FIBTOP 90 onto the prepared sub-floor. The mixed mortar will flow out and self-level above 3mm during the first 15 minutes of its 30 minutes working time. Use a suitable spreader to obtain the required thickness. A long handled gauging tool with height adjustment for thickness will simplify this operation. A long handled smoothing trowel can be used for finishing off. A steel finishing float can be used for feather edging and touch up work. Apply at temperatures above 5°C .

Do not apply FIBTOP 90 over untreated expansion joints. Treat expansion joints with FIBSEAL PU 21/22 and use Fibseal JSE 700 or Fibseal JSP 700 for treating control and construction joints.

THICKNESS

FIBTOP 90 should be applied at thicknesses greater than 3 mm - 5 mm to benefit from its self-levelling properties. Note non-absorbent sub-floors, e.g. flooring grade asphalt, must be leveled with at least 3 mm of the smoothing compound. Note: no more than 5 mm of FIBTOP 90 should be used on top of asphalt.

CLEAN UP

Clean all tools immediately after use with water. Do not allow material to harden. Any hardened material will need to be removed mechanically.

TECHNICAL SPECIFICATIONS

FIBTOP- 90	@ 27 ± 1°C
Bulk density of powder	approx. 1.1kg/litre
Weight of fresh mortar	approx. 1.9kg/litre
Working time	approx. 30 min
Flow life	approx. 15 min
Initial Set (Vicat)	approx. 30 min
Final Set (Vicat)	approx. 2 hour
Compressive Strength According to EN 196	
1 day -	approx. 18 N/mm
7 days	approx. 27 N/mm ²
28 days	approx. 35 N/mm ²
Flexural Strength According to EN 196	
1 day	approx. 3.9 N/mm ²
7 days	approx. 5.7 N/mm ²
28 days	approx. 8.8 N/mm ²
Ball Impact Hardness	
After 1 day	5.5 mm
Scratch Hardness	
After 1 day	1.2 mm
Coverage	1.1 to 1.2 kg/m ² /mm

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not apply **FIBTOP 90** on surfaces known to, or likely to, suffer from rising dampness, potential osmosis problems or having relative humidity greater than 75 %. Consult fibrex before using **FIBTOP 90** in those areas.
- Do not apply **FIBTOP 90** to asphalt, weak or infirm concrete, unmodified sand-cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- Do not apply **FIBTOP 90** over treated expansion joints.

Please contact FIBREX for installation of floor coating over

- Oil / Fat rigged floors
- Floors with moisture content over 4 %
- Floors with rising moisture problem
- Asphalt based floor (interior)

PACKAGING

FIBTOP 90 is packaged in 25 Kg bag cover
20.83m²@1.2 kg/m²/mm

STORAGE

Store the material at temperatures between + 10° C and + 45° C in originally sealed packages, the material can be stored for 6 months. But before opening the bags, Open bag of material should be used quickly to avoid moisture contamination.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and busing, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of the product should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex Construction Chemicals wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

FIBREX OTHER PRODUCTS – WE DO

