



Technical Data Sheet

Description

Tek-Screed LTW is a cementitious premixed ready to use product when mixed with water to produce light weight concrete mix for a variety of applications.

Application area:

- Horizontal floor screeds
- Back fill concrete mix
- For fabrication of light weight beams, blocks, panels, moulds and encasement concrete.
- Light weight floor finish

Advantages:

- Light Weight
- Very low shrinkage
- Very Low permeability
- Consistent quality
- Easy to use

Physical Properties*

Property	Typical Results
Compressive Strength	>20 MPa
Density	0.8 - 1.0
Water addition	6 Ltr/25 Kg Bag
*The above properties are average laboratory values	

Packing:

Tek-Screed LTW is available in 25 kg Bags

Installation guidelines:

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only. Light Weight concrete mix should only be laid by experienced masons.

Surface preparation:

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. If being used to repair floor screeds, cut around the edge of the repair to a minimum depth of 120 mm.

Application:

The mixed material should be applied immediately after mixing is completed. The application thickness should be between 10 mm and 120 mm.

Do not add additional water or re temper the mix.

Do not use water to finish the surface.

When finishing do not overwork otherwise a weak layer of laitance will be formed which will be detrimental to the bond of subsequent finishes.

Always use **Tek-Prime AR** prior to application ensures proper bonding.

Pipes and conduits:

The minimum cover over pipes and conduits should be 20 mm and a layer of 19 g or greater galvanized mesh should extend 75 mm each side of the pipe or conduits with a 75 mm overlap.

Curing:

It is essential that light weight concrete mix are cured correctly to ensure controlled water loss and to prevent de-bonding and random cracking. In hot windy conditions, mist spray with water. As soon as it hardened mist spray with water and cover with polyethylene sheet taking care to ensure it is fully sealed at all edges. If this cannot be done use wet Hessian or sand beneath the polythene sheet and keep continuously wet for a minimum of 7 days.

Precautions:

Do not add additional water or re-temper the mix.

Ensure the temperature of the mortar does not exceed 35 C at the time of mixing.

Do not mix by hand.

Do not part mix, use only full bags.

Do not apply in rain or wet conditions or at temperature below 5 C

Lower temperature produces a slower set; higher temperature produces a faster set.

Do not expose to running water until the product is cured fully.

Technical support:

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Shelf life:

Shelf life of 12 months is guaranteed when stored in factory packed unopened containers in a cool dry and elevated place away from direct sunlight and at a temperature not more than 35 C.

Health & safety:

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Ensure the container is available for the medical attendant to examine for any relevant instructions and content details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling.

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