



PREMIUM CEMENT WITH FIBRES (52.5N)

Tekcem Premium Screeding Cement with Fibres can be widely utilised in an extensive variety of applications. General ready-mixed concrete, high strength precast and pre-stressed concrete, concrete block paving (CBP), grout, mortar, render and screeds are among the applications that fall under this category.



OVERVIEW

The Tekcem Premium Screeding Cement (52.5N) is a high strength cement. The inclusion of Fibres is designed to address early age cracking problems, Polymono micro synthetic fibres help prevent the propagation of cracks in the plastic state – precisely when most cracks occur. During the plastic settlement phase, the fibres create a three-dimensional support network that resists the downward pull of gravity, thus keeping aggregates in suspension and promoting uniform bleeding. This fibre network increases the tensile strain capacity of screed/concrete during the plastic shrinkage phase as well.

Mitigates shrinkage/temperature cracks.

100% alkali resistant. Non-corrosive. No chemical reaction.

Long term resistance to deterioration when in contact with moisture and alkalis present in cement paste or the substances present in air-entraining and chemical admixtures.

Increases durability and service life of concrete and screed.

Reduces freeze/thaw damage and mitigate permeability of water and chemicals into concrete/screed due to three-dimensional effect of the fibres within the mix.

PROPERTIES

Grey colour powder, 6mm Polymono Fibres – White, Consistent Strength meeting all the conformity criteria in BS EN 197-1. 25kg white bags stacked on a standard pallet – 80 bags per pallet with stretch-wrap plastic protection sheet.

HEALTH AND SAFETY

Exposure of cement powder to bodily fluids, such as sweat and ocular secretions, might result in irritation, dermatitis, or burns. Cement is categorised as an irritant according to the Chemicals (Hazard Information and Packaging) Regulations.

To obtain more detailed information, including guidance on managing soluble hexavalent chromium, please see the relevant Tekcem Health & Safety Information Sheets.

As per the guidelines set forth by the UK REACH Regulations, the concentration of soluble Chromium (VI) is limited at 2 parts per million. The quantification of chromium (VI) is performed in accordance EN 196-10.

SUITABLE APPLICATIONS

- Sand and Cement Screed
- Flowing Screed
- Bonding Slurry
- Concrete
- Mortar
- Render
- Patch Repairs
- Bedding Slabs

COMPATIBILITY

Tekcem Premium Screeding Cement with Fibres exhibits compatibility with extensive array of additives and admixtures, thereby augmenting the characteristics and applications of mortars, screeds, renders, and concretes. Conducting trial mixtures is advisable to ascertain the most effective proportions. Always consult with additive manufacture for any specific guidance.

STORAGE, APPEARANCE & SHELF LIFE

Bags should be stored unopened and clear of the ground in cool dry conditions and protected from excessive draft and all sources of moisture.

CEM1 Cement, Polymono 6mm Fibres, Stretch-wraps, Toppers & Plain White valve bags Shelf life of unopen bags is Six months.

WARNING

The information provided in this datasheet corresponds to the best of our expert knowledge and experience, Whilst it is true and accurate to the best of our knowledge, it may contain information which is unsuitable under certain circumstances since materials, site conditions and method of application vary with each application, TEKCEM LTD cannot be held responsible for any loss or damage due to incorrect use or from the responsibility of variations in working conditions and/or workmanship beyond our control. The user alone is responsible for any consequences deriving from the product.