

# TECHNOFIBER ECO 12

Stops shrinkage cracks

Microfibers to prevent shrinkage cracks in concrete, terrazzo, cementitious screed ...

## Product information:

**TECHNOFIBER ECO 12** is an innovative combination of alkali-resistant pp- and glass fibres to prevent so-called plastic shrinkage cracks in concrete, terrazzo and screed. **TECHNOFIBER ECO 12** combines the reliable prevention of shrinkage cracks with an excellent workability and is suitable for almost all cement-based construction materials. Due to the innovative combination of several different tried and tested fibres types, a very effective dosage rate of only 0.75 kg per m<sup>3</sup> can be achieved. The reliable prevention of shrinkage cracks with this dosage rate has been tested and confirmed not only in extensive tests, but also in millions of m<sup>2</sup>.

**TECHNOFIBER ECO 12** is used in decorative concrete paving as well as in industrial flooring, terrazzo and cementitious screed, because in all of these applications plastic shrinkage cracks may occur easily. Same applies to certain prefabricated concrete, for example if climatic conditions make it necessary to use **TECHNOFIBER ECO 12** in order to prevent micro cracks., which has been tested and confirmed by the very low costs per mix resp. per m<sup>2</sup> are definitely convincing.

General information about additives can be found in our brochure "[Additives and Fibres](#)"



Close-up photo of the surface reveals TECHNOFIBER® at work

## Advantages:

- reliably prevents the formation of early age plastic shrinkage cracks
- increases the water-retention of the fresh concrete/cementitious screed for additional hydration reaction time window
- increases the green stability of the concrete/cementitious screed
- increases the impact and flexile strength of the concrete/cementitious screed
- reduces the water absorption of the hardened concrete/cementitious screed
- does not require extra mixing/batching time
- increases the frost/thaw resistance
- reinforces prefabricated concrete during transport
- has a high alkaline and acid resistance

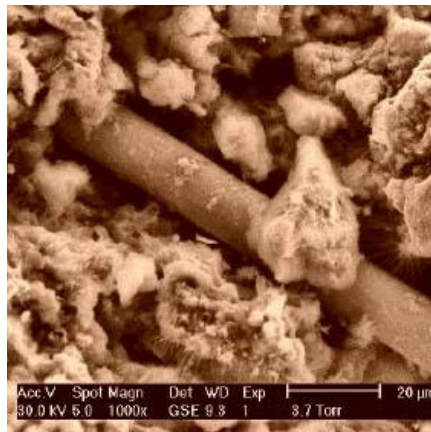
## Instructions for use:

Usual precautions and actions when handling chemicals should be observed (e.g. no eating, drinking, or smoking at the place of work). Additional instructions, which can be found on the corresponding product labelling or in the Safety Data Sheet, must be observed. If you do not have a copy of the current Safety Data Sheet, we will be pleased to send you one.

TECHNOFIBER® in fresh concrete



TECHNOFIBER® under scanning electron microscope



### Consumption:

0.75 kg per m<sup>3</sup> resp.  
0.15 kg per 200 liter screed mix

### Packaging:

1 box contains:  
- 15 kg loose, or  
- 20 soluble paper bags à 750 g.  
30 boxes per pallet.

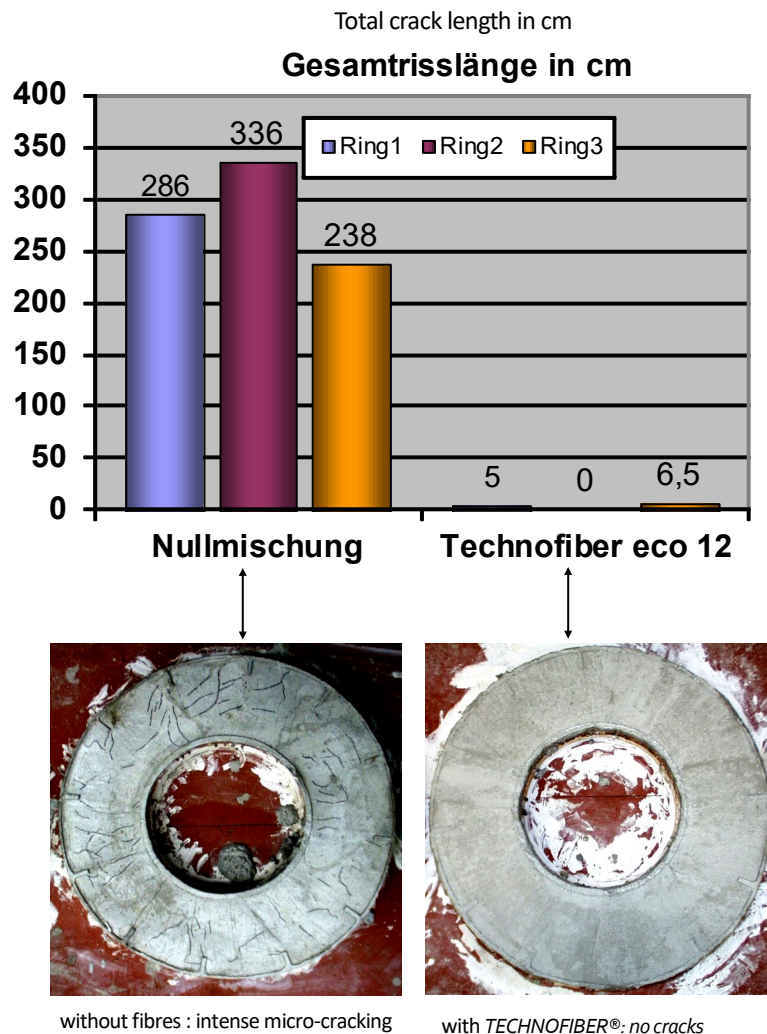
### Storage:

Store inside a suitable warehouse (not outdoors).  
Protect against direct sunlight. Can be stored in original packaging for approx. 24 months.

Inquiry

## Test report:

Extract from a test report of the Hochschule für Technik, Wirtschaft und Kultur Leipzig (FH) Fachbereich Bauwesen (College of Technology, Economy and Culture in Leipzig, Department of Civil Engineering). The test documents a reduction in the length of shrinkage cracks of 98,7% compared to the zero reference mix.



**!** Please note, that it is always necessary to carry out pilot tests which realistically correspond to the planned production process and application procedure.

## Legal notice:

The technical information contained herein, in particular relating to the function, use and handling of our products, is given to the best of our knowledge and is based on our present knowledge and experience of the products when appropriately stored and handled, and applied under normal conditions in accordance with the standard fields of application, as described in page 1. Due to the large variety of possible use and application scenarios, this data sheet raises no claim to completeness, but is solely intended to provide a non-binding decision support, which needs to be reconfirmed by the end-user through pilot tests. Pilot tests are always necessary and should be carried out following the advice given in the current Product Data Sheet and under realistic practical conditions, i.e. conditions must realistically correspond to the planned production process and application procedure. Case-related acquired knowledge is not directly transferable to similar applications. Product specifications are subject to alterations without notice.

Only the most recent issue of the Product Data Sheet is valid, which will be supplied on request or can be found on our website under [www.hebau.de](http://www.hebau.de). Illustrations in our data sheets, brochures etc. are merely exemplary and not binding. Photos may have been edited.

We guarantee for the perfect quality of our material according to our specifications. We do not take any liability resp. warranty for the desired end result, as we solely act as supplier of the products and the application of the products and other influencing factors are beyond our control and our field of responsibility.

Our General Terms and Conditions apply. This information is valid for professional users. Our products are not recommended for private end-users.

### Hazard + precautionary statements according to CLP regulation / (EC) No 1272/2008

The product is not classified according to the CLP regulation (Classification, Labelling and Packaging). Usual precautions and actions when handling chemicals should be observed.