

# TECHNIS C910 MIX

SPECIAL BINDER FOR THE PRODUCTION OF FAST SETTING BONDED SCREEDS

## KEY BENEFITS

- Damp and wet rooms
- Quick curing
- High final strength



## APPLICATIONS

### DESTINATION

TECHNIS C910 MIX is a special binder for the production on fast setting bonded screed.

### Areas of applications :

- For the production fast setting
- Low shrinkage bonded screeds
- Screeds on separating layer
- Insulating layer on insulating layer as well as heating screeds

For time- saving or time-saving screed work. Suitable for interior and exterior use and in damp and wet rooms.

## PRODUCT CHARACTERISTICS

<b>Composition / colour</b>	Cementitious premixed dry mortar / grey
<b>Mixing ratio</b>	according to sand moisture, with dry sand approx. 2 l per 25 kg finished mixture of TECHNIS C910 MIX and screed sand
<b>Application temperature</b>	AIR: +5 °C to +30 °C HUMIDITY: not more than 70%.
<b>Working time*</b>	90 min
<b>Walk on time*</b>	3-5 hours
<b>Curing time* / Floor installation</b>	24-48 hours
<b>Coverage</b>	100-125kg screed sand : approx. 25kg
<b>Compressive strength</b>	C40
<b>Flexural strength</b>	F6

\*these times are determined at + 23° C and 50 % relative humidity on normally absorbent substrates

## SUBFLOOR PREPARATION

### CLEANING PREPARATION

In accordance with the requirements of DIN 18560, 18353, the substrate must be solid, load-bearing, dimensionally stable and free from layers that reduce adhesion. For bonded screeds, the mineral substrate must be absorbent, free from gypsum and any separating layers (e.g. bitumen, grease, oil, dust, paint, etc.). Cement paste layers, lime and binder coats must be milled or sandblasted. Mechanical roughening of substrates that are too smooth, vacuuming and priming with Korrohaft plus. Apply the screed "fresh in fresh". For screeds on underlays, the underlays must be laid without folds and with sufficient overlap. Floating screeds where the effect of moisture from adjacent building components is possible, e.g. from concrete substrates, must be protected by an effective sealant (DIN 18195). The relevant standards, guidelines and recommendations as well as the generally recognised rules of technology apply.

### METHOD OF USE

All common screed mixing and conveying machines are suitable for mixing. Mixing ratio (100 l mixer) 25 kg TECHNIS C910 MIX are mixed with 100–125 kg screed sand 0/8 according to DIN 4226 and 8–10 l water (for dry screed sand). An appropriate sand moisture reduces the mixing water requirement. Mix the screed earth-moist or stiff-plastic.

Distribute the mixed screed, compress, evenly pull off, rub down and smooth. Mixing, laying and smoothing must be carried out quickly one upon the other. Only apply partial areas that can be completed within the working time of approx. 1.5 hours. If work is interrupted, thoroughly clean mixers, pumps and hoses immediately.

### FOLLOW-UP

Protect the screed from premature drying out, rain, strong sunlight and frost during the setting process. Before laying, check the residual moisture with a CM device. For unheated screed and vapour-open coverings < 2.5 % and for vapour-tight coverings < 2.0 %, and for heated screeds < 1.8 % for vapour-open and vapour-tight coverings. The weight for the CM device is 50 g and should cover the entire cross section of the screed. Then shake the sample intensively for 1 minute and read off the value after another 4 minutes. Longer waiting times falsify the value.

#### NOTES

When processing TECHNIS C910 MIX, DIN 18560 and DIN 18353 must be observed. No cements or screed additives may be added to the screed mixed with TECH-NIS C910 MIX. Hardened material must not be made workable again by adding water or mixing with fresh material. If too much water is added, the setting screed will be deformed or bowled. Due to physical interaction with the environment, the screed may become rewetted if it is left for a longer period of time. The screeds then enter into a moisture equilibrium with their surroundings. The resulting moisture equilibrium can also lead to values above 2.0 CM-%. If moisture penetration occurs, additional sealing measures must be taken, e.g. with HYTEC E730 XTREM, Ardagrip Xtrem.

## OCCUPATIONAL SAFETY AND ENVIRONMENTAL PROTECTION

Contains cement, reacts alkaline with water. Eyes and skin irritation are possible. Please observe the hazard warnings and advice on the containers and in the safety data sheets.

### COVERAGE

100–125kg screed sand : approx. 25kg

### STORAGE STABILITY

Cool and dry. Shelf life 6 months in original packaging.

### CLEANING

Clean machines, tools and soiled areas with water. Once the screed is dry, it can only be removed mechanically or with a lime solvent.

Code	UC	PCB	GENCOD
30615499	25 kg	1	4008373130283

### SAFETY

For more details, consult the safety data sheet on <https://bostikdsd.thevercs.com/default.aspx>

*The information given and recommendations made herein are based on Bostik's research only and are not guaranteed to be accurate. The performance of the product, its shelf life, and application characteristics will depend on many variables, including the kind of materials to which the product will be applied, the environment in which the product is stored or applied, and the equipment used for application. Any change in any of these variables can affect the product's performance. It is the buyer's obligation, prior to using the product, to test the suitability of the product for an intended use under the conditions that will exist at the time of the intended use. Bostik does not warrant the product's suitability for any particular application. The product is sold pursuant to Bostik's Terms and Conditions of Sale that accompanies the product at the time of sale. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.*

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