

## screeds

# CC 33

Cement-based, light screed



### Product description

The CC33 light screed from Fornaci Calce Grigolin is a lightweight cementous conglomerate, composed of hydraulic binder, lightweight aggregate and specific additive (colloidal foam).

### Supply and Storage

The CC33 light screed is delivered directly on the construction site using completely independent mobile mixing stations, equipped with their own generators. They allow for a reduced dispersion of the polystyrene in the environment, a decreased quantity of waste (polyethylene bags) and they can operate in virtually any situation of the construction yard.

### Surface Preparation and Application

The light screed is laid directly on the cope in order to create the background for the subsequent installation of traditional or self-leveling screeds. The product, mixed in mobile mixing stations in an automated manner, is pumped directly to the point of laying to form a floor with a thickness of no less than 5 cm.

### Fields of use

The CC33 light screed has numerous fields of application, ranging from preparation of roof and terrace slopes to the rehabilitation of fretted metal sheet roofings, from the insulation of attics to filling excavation, foundations, gutters, etc. It is particularly suitable for the construction of surfaces suitable for subsequent installation of floor heating systems as it allows for the obtaining

a good flatness of the jets carried out and a maximum uniformity of product. Moreover, it is suitable as a substrate for civil and industrial pavements.

### Specifications

The substrates will be made with the cement-based, light screed CC33 from Fornaci Calce Grigolin, at a rate of 250-330 kg/m<sup>3</sup> of type-II A/LL 32.5 R cement. The material has a compression strength at 28 days of 0.5-0.9 N/mm<sup>2</sup> and will be produced with automatic equipment with computerized system for adjusting the mixture and continuous production and pumped to the installation point for the production of screeds with a thickness of at least 5 cm. It is also possible to produce lightweight substrates with sloping surfaces up to 2%.

### Technical data

Cement dose	330 kg/m <sup>3</sup>
Synthetic foam dose	approx. 1.6 liter
Foam dose	approx. 747 liters (density 50/60 g./l.)
Ground (recycled) polystyrene dose	NO
Water	150 liters
Wet specific weight	522 kg/m <sup>3</sup>
Dry specific weight	approx. 480 kg/m <sup>3</sup> (varies according to curing conditions)
Mechanical resistance to compression at 28 days	min 0,9 N/mm <sup>2</sup>
Absorbition 60% relative humidity	NO
Thermal conductivity	0,099 W/mK
Water vapor permeability	6
Fire resistance	non inflammable

### Disclaimers

Do not install the substrate when temperatures are below +5°C or above +30°C. Wait for the curing of the substrate before installing the screed. Do not install pavements directly onto the substrate. Install a vapor barrier before laying the substrate if the lower level is inhabited or if the ceiling is made of wood. For other informa-

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