

COMPLIANT WITH THE EUROPEAN STANDARD

UNI EN 13813

SR C30 F5 B2,0 F_{fl}

SCREEDS AND SCREED MATERIALS

PRODUCT NATURE

Three-component synthetic mortar free from solvents, with high mechanical strength, with prolonged workability, composed of epoxy binders, hardeners and special fillers added with reactive raw materials (SC3).

FIELDS OF USE

Suitable for the construction of concrete floorings subject to the transit of heavy vehicles, high stresses, wear and load.

SURFACE PREPARATION

The surface to be treated must be healthy, compact, free from detaching agents and from pollutants. Prepare the sub-layer by shot peening or milling depending on the state of the sub-layer. The concrete must have a surface strength of at least 1.5 MPa.

PRODUCT PREPARATION

Pour component B into component A and mix, with a low speed drill, until a homogeneous fluid is obtained. Pour the compound into the cement mixer or better into the mortar mixer, gradually adding the special fillers SC3 and then mixing until a homogeneous mixture is obtained.

APPLICATION

After priming the sub-layer with UNIBAR FORMULA in the quantity of 300-500g/m², proceed with the application of UNIBAR SCREED on the fresh primer.

UNIBAR SCREED must be applied and distributed with the aid of a trowel. To better compact the screed, it is advisable to use a rotary blade disc.

The surface must be saturated with one or two coats of UNIBAR FORMULA, loaded with reinforced concrete 30 – 60% with 0.1-0.3 quartz.

RECOMMENDATIONS

Do not add additives.

Do not use if the container is damaged.

Do not add water and/or solvents.

CAUTIONS

UNIBAR SCREED, like all products supplied as TRI-COMPONENTS, REQUIRES the correct order of introduction of the supplied pre-dosed components and their perfect mixing before application.

Once the components have been mixed, UNIBAR SCREED must be applied within the indicated work times.

The temperatures of the substrates, below +10°C, significantly slow down hardening, therefore do not apply the product below these temperatures.

Avoid leaving the components (A, B and C) in the sun or in places where they can overheat (for example in vans, trucks...). High temperatures result in a significant reduction in workability times.

CONSUMPTION

2 kg / m² for a thickness of 1 mm. Recommended thicknesses, compact, starting from 5 mm

TOOL CLEANING

Clean the tools with alcohol before the product hardens

PACKAGING

COMPONENT A: 7.4 kg

COMPONENT B: 3.7 kg

SPECIAL FILLERS SC3 : no.4 x 25 kg

STORAGE

The product, in its complete packaging, remains stable for 12 months. Protect from frost. Store at temperatures of between +5°C and +30°C.

SAFETY REGULATIONS

PRECAUTIONS

For information regarding safety regulations, the user must refer to the most recent Safety Sheet, issued in compliance with the Regulations in force, containing the physical and toxicological information and other information related to the product being used

ECOLOGY

Do not dispose of the product and/or empty containers into the environment. Consult the most recent Safety Sheet for further information regarding any waste disposal.

UNIBAR SCREED PHYSICAL CHARACTERISTICS

	COMPONENT A	COMPONENT B	SPECIAL FILLERS SC3
Appearance:	Liquid	Liquid	Powder
Colour:	Straw yellow clear	Clear	Light grey
Density (Kg/l)	1.14	0.97	n.a.
Viscosity (mPa.s)	900	130	n.a.
Solid Content	100	100	100

UNIBAR SCREED APPLICATION DATA

Mixing ratio of <u>PRE-DOSED</u> components A + B + SC3	Comp. A + Comp. B + SC3 7.4 kg + 3.4 kg + 10 kg (4 x 25)
Consistency after mixing components A, B, SC3	Wet earth
Specific weight	2.0 g/cm ³
Application Temperature Range	From + 10°C to + 30°C
Workability Time	70 minutes (+10°C)
	45 minutes (+20°C)
	20 minutes (+30°C)
Hardening time	8 hours (+30°C) to 16 hours (+20°C)
Complete hardening	After 7 days

PERFORMANCE OF THE PRODUCT IN OPERATION IN COMPLIANCE WITH UNI EN 13813

Characteristic	Regulation	Results
Compressive strength after 24 h	UNI EN 13892-2	≥ 5 N/mm ²
Compressive strength after 28 days	UNI EN 13892-2	≥ 30 N/mm ²
Flexural strength after 28 days	UNI EN 13892-2	≥ 5 N/mm ²
Adhesion strength	UNI EN 13892-8	≥ 2 N/mm ²

The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline if at all in doubt, preliminary tests should be carried out. WINKLER S.r.l. reserves the right to modify and up-date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.