

ACS SELF LEVELLING SCREED SL 10[®]

Cement Based, Self Leveling Floor Screed



Description

ACS SELF LEVELLING SCREED SL 10[®] It is a cement-based, ready-to-use, self-leveling floor leveling screed.

Places of usage

- In hospitals
- In stores
- Indoors and in dry environments
- In hotels
- For correcting and leveling the damaged surface before sticking Carpet, PVC, Ceramic, Marble, Parquet, Natural Stone

- In supermarkets
- In Shopping Centers.

Advantages

- It creates a smooth ground by spreading itself.
- It has high fluidity and ability to be pumped.
- Quick and easy to apply, does not require much labor.
- It is used for smoothing and leveling surface defects between 2-10 mm.
- Does not shrink or crack.
- Low implementation cost.

Technical Characteristics:

Structure of material	Contains mineral fillers and polymer modified special cement	VK
Colour	Grey	
Mixing ratio with water	20 kg powder / 4,8-5,2 l water	
*Compressive Strength (7 days) (EN 13892-2)	> 18 N/mm ²	
*Compressive Strength (28 days) (EN 13892-2)	> 30 N/mm ²	
*Bending Strength (28 days) (TS EN 196)	> 4,0 N/mm ²	
*Bending Strength (28 days) (TS EN 196)	> 7,0 N/mm ²	
Adhesion Strength (To Concrete) (28 days)	> 1,0 N/mm ²	
Abrasion Resistance (TS EN 12808-2)	286,95 mm ³	
Application Thickness	2mm-10mm	
Temperature of the ground to be applied	+ 10 °C+25°C	
Temperature resistance	- 25 °C+60°C	
Working Time (+20°C)	30 minutes	
Socket start	40 minutes	
Walking Time	4-6 hours later	
Fire Class	A1 class	

* These values were obtained under laboratory conditions ((23±2)°C temperature and 50% relative humidity) and may vary in applications in the construction site.

Application procedure/Surface preparation:

Care should be taken to ensure that the cement-based surfaces on which the application will be made are strong, bearing, dust-free and clean. The surface must be thoroughly cleaned of all kinds of oil, grease, rust and paraffin residues that will weaken the adherence

Surface voids and regional defects should be filled with repair mortars, ACS MORTAR RM 20[®] or ACS MORTAR RM 40[®] depending on the depth. Prior to application, priming should be done with ACS EPOXY PRIMER MAX[®] - ACS PRIMER-C[®] depending on the type of floor and surface.

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Application method:

ACS SELF LEVELLING SCREED SL 10® prepared in fluid consistency should be poured onto the primed surface. The thickness of the self-leveling mortar should be adjusted with a steel trowel. During the application, if necessary, a spiked roller should be used to prevent air bubbles in the product, to facilitate the spreading process and for final surface corrections.

The thickness should be at least 2.00 mm in applications made on solid and absorbent subfloors.

The prepared mortar should be consumed within 30 minutes at an air temperature of 10°C-20°C. While the application time is extended at low temperatures, it may be shortened at high temperatures. If the temperature is below +5°C, the application should not be made.

If the application will be made by machine, the width of the area should not exceed 6 meters in order to ensure the proper spread of the mortar to be applied.

Tips to notice:

- It should not be applied outdoors, on wooden floors, on low-strength and loose floors.
- After the primer application is made on the perlite floor screed, the application must be started.
- Surface absorbency should be determined before the application, a single layer should be applied with a suitable floor primer and allowed to dry.
- Humidity should not be more than 4% on the concrete surfaces where the application will be made.
- Application should be made according to standards and instructions. The water ratio should not be exceeded and no substance not specified in the instruction should be added.
- Application should not be made on surfaces that are constantly wet and have moisture problems.
- The application floor should not be left as a final coat.
- While applying parquet, the application thickness should not be less than 4 mm and surface dryness should be checked before parquet application.
- Since the product sets and cures quickly, the floor should be protected from wind and direct sun effect during application.
- The application must be done by a specialist applicator. The responsibility of the applications not made by the expert practitioner belongs to the implementing company.
- Since it is cement based, do not breathe the dust, do not contact the skin and eyes.
- After the application, hands and application tools should be washed with plenty of water.
- The indicated consumption amount is a general information. It may vary depending on application conditions and surface properties.

Mixing :

First, 4.8-5.2 lt of clean water for 20 kg of ACS SELF LEVELLING SCREED SL 10® is poured into a clean mixing bucket, the material should be poured slowly onto it, and a low-speed mixer (max. 600/rev.) /min until a homogeneous and lump-free mixture is obtained and mixed for 3-4 minutes. After resting for about 3 minutes and mixing again for 1-2 minutes, the material becomes ready for use.

Mixing ratios:

ACS SELF LEVELLING SCREED SL 10 ®	For a bag 20 kg
Mixture Quantity	4,80-5,20 l
Mixture Density	1,50-1,70 kg / l

Cleaning of tools

Tools and equipment used after the application should be cleaned with water. ACS SELF LEVELLING SCREED SL 10® can only be mechanically removed from the surface after hardening.

Consumption:

1.50-1.7 kg/m² for 1 mm thickness

Package:

20 kg polyethylene reinforced kraft bag

Storage conditions:

In its unopened original packaging, in a dry and closed environment at +10°C- +25°C. In short-term storage, maximum 2 pallets should be placed on top of each other and shipment should be made with a first-in, first-out system. In long-term storage, pallets should not be placed on top of each other.

Shelf life :

It is 6 months from the date of production under suitable storage conditions. Opened packages should be stored under appropriate storage conditions and used within one week.

Safety information

During the application, work clothes, protective gloves, goggles and masks in accordance with the Occupational and Occupational Health Rules should be used. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes. In case of contact, they should be washed with plenty of soap and water. If swallowed, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. Comply with the Safety Data Sheet (SDS) prepared in accordance with the EU directives regarding the product.

Responsibility

The data which contains in this technical document is based on our scientific and practical knowledge. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is only responsible for the quality of the product. ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones. (12/2021)