



SCL

SCL LEVEL-CEM GP

SCL LEVEL-CEM GP cementitious self-leveling floor compound is intended for use as a leveling compound that can be applied at 7 to 20 mm thickness.

It is suitable for use as a leveling layer directly under floor finishing types such as PVC, wood flooring, paneling, laminate floors, fitted carpets and tiles.

Features :

- It levels the sub-floor
- It provides quick access – it can be walked on within 4 hours after placing
- Easy to spread
- Very low shrinkage ratio
- Excellent adhesion to the concrete sub-floor
- Can be applied manually or by means of a pump
- It can be overcoated with resinous floor coatings ensuring chemical resistance and easy cleaning.

Characteristics :

SCL LEVEL-CEM GP is supplied as a dry powder consisting of heavy-duty cement, selected aggregates, additives and admixtures improving the mixing, spreading and resistance parameters of the finished floor. Based on this composition, **SCL LEVEL-CEM GP** will provide a suitable base for the application of **FLO-CEM XD** heavy-duty floor surface, a resin coating or adequate types of protective coating.

Properties :

Compressive Strength after	1 Day	14 MPa
	28 Days	24 MPa
Flexural Strength after	28 Days	6.6 MPa
Shrinkage after	28 Days	0.05%
Bond Strength	>1.5 MPa	
Yield	1.7 Kg / m ² / mm	
Water Dosage	4.5 L per 25 Kg	
Workability	15 Minutes	
Initial Set	80 Minutes	
Applied Thickness	7 => 20 mm	
Curing	None required	
Pack Size	25 Kg Sack	
Conformance	PN-EN-13813:2003	

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Instructions for use :

Preparation of the sub-floor :

The surface to be finished has to be clean, load-bearing, dry, free of impurities, paint, glue, mortars and any other contaminants such as oils and greases. It is recommended to shot-peen, grit, sandblast or mill the floor. Before pouring, any large defects or holes should be repaired using an appropriate repair compound in accordance with accepted practices to provide a strong and flat surface. The surface should have the stripping strength of at least 1.5 MPa.

All prepared surfaces should be thoroughly wetted out with **LEVEL-CEM PRIMER**, applied with a suitable brush, roller or broom. The application of **LEVEL-CEM PRIMER** increases the adhesion of the **SCL LEVEL-CEM GP** compound, improves its ease of spreading and simultaneously prevents the formation of air bubbles in the fluid, mixed compound and any loss of water.

After application of the **LEVEL-CEM PRIMER**, the prepared floor should be left for at least 5 hours to dry and absorb any residue into the concrete substrate. Any remaining liquid or ponding of the **LEVEL-CEM PRIMER** should be removed. If the sub-floor is porous or weak, it should be treated with **LEVEL-CEM PRIMER** 24 hours before pouring the compound and if necessary this treatment should be repeated until a dried gloss of the **LEVEL-CEM PRIMER** is evident. Good standard concrete sub-floors should be treated and left up to 5 hours before applying the **SCL LEVEL-CEM GP** compound.

*The **LEVEL-CEM PRIMER** is prepared by diluting **NITOBOND PVA** at a ratio of 1:1 with clean water.

Preparation of the compound and water addition :

Add all the powder with a slow and consistent pouring action to a suitably sized mixing drum or bucket containing 4.5 liters of clean water. Mix constantly with a slow-speed mixer, Mix until there are no lumps and the consistency of the mixture is homogeneous. Leave for 2 minutes and then mix for a further 2 minutes. The compound is then ready to be placed on the prepared, primed surface. Do not prepare more compound than you are able to use within 15 minutes. The best results will be achieved when the compound is applied without stopping the application across the whole surface.

Do not exceed the recommended amount of water.

The compound can also be mixed in a suitable pump provided that the pump can provide accurate and reliable dosing of powder and strict monitoring of water addition.

Application.

By means of adhesive tape or foam, divide the prepared and grounded concrete surface into plots not wider than 5 meters. If application of the **LEVEL-CEM GP** is by a mechanical pump, the area can be up to 15 meters wide. All expansion joints should be reflected through into the surface of the newly created floor. The compound should be poured onto the surface in strips and spread into required thickness by means of toothed trowels of adequate size or by means of screeds. Use a spiked roller to de-aerate the **LEVEL-CEM GP** compound while still wet and ensure that all gaps are filled and that the material is laid to an even thickness and a level finish.

Consumption.

Depending on the sub-floor preparation and the precision of performance, the mean consumption amounts to:

SCL LEVEL-CEM GP : 1.7 Kg / m² per each 1 mm of a layer thickness.

LEVEL-CEM PRIMER : 0.2 l / m²

**Maintenance.**

A light walking is allowable within 4 hours from the pouring. However, the utilization of the floor should be limited for 12 to 24 hours in order to protect the surface from damage. Regular walking and expansion joint performance is allowable within approximately 24 to 48 hours. The floor can be fully loaded and used after 7 days. Low temperature and high humidity while laying and curing prolongs the times provided. The work should be carried out within the temperature range of +5°C and +25°C. While laying the surface and for the following 24 hours, the floor should be protected from wind, rain and harsh sunlight.

Cleaning.

Immediately after completing the work, wash tools with water. Hardened compound should be removed mechanically.

Packages.

SCL LEVEL-CEM GP is packaged in 25 Kg three-ply sacks with a moisture proof barrier. A pallet contains 40 sacks (1000 Kg).

Storage**Shelf life**

All products have a shelf life of 6 months, if kept in a dry store away from any moisture and in the original, unopened bags or packs in a covered area.

Storage conditions

Store in dry conditions in the original, unopened bags or packs. If stored at high temperatures and/or high humidity conditions the shelf life may be reduced to 4 months.

Precautions.

SCL LEVEL-CEM GP contains cement which, when in contact with water, reacts to produce an alkaline product. Before commencing the work, read the information provided on the package and the MSDS of the product. Provide adequate protective clothing and safety measures.

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