

## SELF LEVELING | HIGH FLOW FLOORINGS | UNDERLAYMENT

### Description

CP-SL-SCREED is a special fast curing, cement based, pump-able self-levelling compound. It is delivered as an already prepared dry mixture which is mixed with water on the construction site. The final surface assures a high mechanical strength and abrasion-resistance.

### Uses

CP-SL-SCREED can be used on fresh and old concrete. It develops high mechanical strength and abrasion resistance very quickly. It can be used as underlayment or as final finish for creating high strength floors. Typical areas of application include garages, parking lot, supermarkets, factories, workshops and shop floor renovations.

### Instructions for Use

- Substrate concrete must be clean, sound, and free of rising dampness, efflorescence and cracks.
- The concrete substrate must have sufficient compressive strength (min. 20 N/mm<sup>2</sup>) with a minimum pull off strength of 1.5 N/mm<sup>2</sup>. Fresh concrete should be at least 28 days old before pouring CP-SL-SCREED.
- Mix the product taking 14.5 to 15.5% water-powder ratio. Adjust water dosage to avoid bleeding and segregation, if coarser ballast is added to CP-SL-SCREED.
- It can be pumped or poured manually on prepared substrate. Material can be used in building thickness between 5 to 20 mm.
- No water curing is required for first 12 hours of pouring. Keep the surface wet for minimum three days to ensure development of strength.

### Available Pack Size

CP-SL-SCREED is available in 25kg bucket.

### CONTACT US

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## Technical Features

Bulk Density	1.25 - 1.35 kg/l
Fresh Wet Density	2.25 - 2.35 kg/l
Water Demand	14-17 %
Pot Life	35-45 minutes
Modulus of Elasticity @28 days	45-50 GPa
Linear Coefficient of Thermal Expansion	8-9 X 10-6 mm/mm/°C
Compressive Strength in N/mm <sup>2</sup>	30-35 (01 Day) 60-70 (07 Days) >80 (28 Days)
Flexural Strength in N/mm <sup>2</sup>	7-9 N/mm <sup>2</sup> (07 Days) >11 N/mm <sup>2</sup> (28 Days)



## Recommendations

- CP-SL-SCREED should be applied when the ambient temperature is between 8 to 30°C and rH is > 50% to avoid fast drying.
- Mix CP-SL-SCREED thoroughly and wait for 5 minutes and mix again before using.
- Do not add extra water to adjust consistency of CP-SL-SCREED mix.
- It is important to keep a check on the aspect ratio of the floor panels. Recommended aspect ratio is 1:1.5. Floor panel should be kept under 9m<sup>2</sup> by providing dividing strips. The dividing strips can be removed while pouring adjacent floor panels to obtain seamless floor.
- Do not disturb the finished top layer after the material has started to harden to avoid development of cracks.
- Open areas should be protected from rain, wind and other aggressive climatic conditions for first 3 days of flooring
- CP-SL-SCREED is non- toxic, however, as with any cementitious material, avoid dust inhalation and prolonged contact with skin.
- Use within 6 months from the date of manufacturing when kept in unopened bucket and prescribed storage conditions.

## Note

The recommendations for use are based on our own knowledge and experience. The technical data provided have been obtained under normal laboratory conditions and may therefore vary according to the environmental conditions in the place where the product is used. As the application conditions are beyond our control, the information provided here does not imply that the company accepts responsibility for any variations.

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