



# ARDEX CL 11 B

## High Fluid Leveling Screed

### Advantages

- Thickness from 10 to 20mm for single application
- Suitable for leveling under floating wood floor
- Pumpable



### Description

Grey powder with special cements, easily dispersible resin powders and selected fillers and special additives. When mixed with water the result is supple, self-smoothing compound.

### Areas of Application

Internal use only.  
Filling, and leveling of concrete, sand cement screeds and other substrates prior to laying floor coverings.

### Substrate Preparation

Principally, the substrate must be mature, sound, solid, clean and dry with good surface integrity – in other words, sufficiently cured, firm, load bearing and free from all contaminants such as dust, laitance, oil & grease, adhesive & coating residues, release agents, curing compounds, etc.

Use ARDEX P51, diluted 1:3 with water. Apply evenly with a bristle push broom. Allow to dry to a thin, clear film (min.1 hour, max. 24 hours).

#### Very Absorbent Substrates

Apply 2 coats of diluted P51 primer. Allow each coat to dry sufficiently before proceeding.

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### Mixing

Thorough mixing with a heavy duty electric drill fitted with an ARDEX mixing paddle in the shortest possible time is essential. Always mix the powder into the water. Approximate 4.25L of clean water per 25kg bag of ARDEX CL11B. At 20°C the working time is about 20min, and at lower temperatures this time is extended and at higher temperatures this time is shortened.

### Application

Work to an area that suits the size of the installation team such that fresh mortar is poured into workable mortar, which can then be spread, gauged and troweled within the flow time of the material. Pour the mixed CL11 B material onto the prepared & primed substrate and then spread into place using appropriate tools. Rake the material to gauge the thickness if required and then smooth the surface with a flat trowel as necessary. The thickness is 10-20mm at one application. For ease & efficiency in applying material in large areas, ARDEX CL11 B can be pumped with continuously working auger or piston style pumps with a capacity of 20 – 40L of mortar per minute. If the pumps are not in operation for 15 minutes they should be cleaned. Protect the surface of the setting material from wind, sunlight and contamination for 24 hours. The application of a small test area prior to complete installation is recommended in unusual circumstances.

### Consumption

Assuming 10mm application thickness, the consumption is about 20kg per m<sup>2</sup>. The actual consumption will vary based on the flatness of the substrate.

### Packaging

25kg multi-layer paper bags incorporating a poly liner.

### Storage & Shelf life

ARDEX CL11 B has a shelf life of approximately 6 months if stored in dry conditions in the original un-opened packaging.

### Technical Data

In Accordance with JC/T2326-2015

Flow Time (23°C)	approx. 20 minutes
Initial flowability	≥200mm
Walkability (23°C)	approx. 24hours
Tensile bonding	≥0.8MPa
Compressive Strength	
After 1 day	≥6 MPa
After 28 days	≥25 MPa
Flexural Strength	
After 1 day	≥2 MPa
After 28 days	≥5 MPa
Shrinkage	≤1.5mm/m

### Health & Safety

ARDEX CL11 B is considered non-hazardous in normal usage; however, it contains Portland cement & quartz sand and reacts alkaline which may cause some skin irritation after prolonged contact. Avoid generation and breathing of dust. Avoid contact with eyes or skin. Wear suitable protective dust mask, gloves and safety glasses. In case of contact with eyes, rinse for several minutes under running water. In case of contact with skin, rinse with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear and rinse mouth with water. In the case of adverse symptoms, seek medical advice. Physiologically and ecologically safe when in the cured state. For further information, please consult the Material Safety Data Sheet (MSDS).