



ARDEX LM5 L

Latex Based Light Levelling Compound

- For internal applications
- Suitable for carpets, all kinds of elastic floor coverings and tiles
- Extremely light
- Applicable from 2 to 20 mm in a single coat
- High strength at an early stage
- Very fast hardening, walkable after 3 hours
- Ready to receive all kind of floor coverings after 24 hours (18 – 20°C)
- Fast drying due to ARDURAPID EFFECT



Scope of use:

Interior, floor.

Underlay for floor elastic coverings, carpet, and tiles onto pretreated deck areas. Very good adhesion to pretreated steel, aluminum and galvanized deck surfaces.

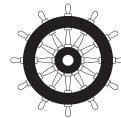
Properties:

Grey powder consisting of special cements, selected fillers and easily dispersible synthetic powders. Mixing the powder with the emulsion leads to a smooth, good flowable mortar with excellent leveling properties. The mortar can be worked for approximately 20 – 30 minutes. It is open for foot traffic 3 hours after installation.

ARDEX LM 5 L hardens by hydration rapidly in all thickness layers (2 – 20 mm) to become a very light tension free compound that prevent practically the generation of cracks.

Substrate preparation:

All steel, aluminum and galvanized deck areas have to be dry, clean and free from rust, oil and other release agents. Steel-deck areas last-ed and treated by the shipyard with an epoxy shop-primer which is resistant to saponification (anti-corrosion treatment). The substrate has to be primed with ARDEX P82 (100 – 150 g/m²).



1121/16
MED modules B and D,
approved for use as bottom deck
plating on steel decks of ships.

ARDEX LM 5 L

Latex Based Light Levelling Compound

Application:

The mixing ratio is: 15 kg bag of ARDEX LM 5 L powder to 7.8 kg of ARDEX LM 5 L Emulsion.

The emulsion should be stirred and poured into a clean mixing container. The powder is then added gradually with continuously stirring.

At +18 – 20°C the mortar is workable for approx. 20 – 30 minutes. Higher temperatures shorten, lower ones lengthen the working and hardening time.

ARDEX LM 5 L is easy to install and usually flows and levels itself that well, that subsequent filling or grinding is not necessary.

Pumps:

To pump, the mortar piston pumps are most suitable. The used pump should permit the use of emulsions.

General information:

ARDEX LM 5 L dries and hardens rapidly and is trafficable after 3 hours at a temperature between 18 – 20°C. Also, in layers up to 20 mm the compound has dried within 24 hours and can be covered with all kinds of floor coverings (elastic coverings and carpets) and tiles.

Apply ARDEX LM 5 L at temperatures above +5 °C.

Pay attention to the following:

In the exterior and permanently wet areas ARDEX LM 5 L cannot be used.

Note:

Powder:

Contains cement, Reacts alkaline – so protect skin and eyes. In case of contact wash thoroughly with water. In case of eye contact also consult a doctor.

Emulsion:

Keep out of children's reach. Physiologically and ecologically safe when in cured. Security certificate (MSDS) is available for professional applicators if requested.

Disposal:

Content and packaging have to be disposed according to regional/national/international regulations/laws. Please empty the packaging completely.

TECHNICAL DATA ACCORDING TO ARDEX QUALITY STANDARDS

Mixing ratio: 7,8 l emulsion:15 kg powder

Bulk density: approx. 0,61 kg/l

Fresh mortar weight: approx. 1,1 kg/l

Material requirement (powder + emulsion) approx. 1,1 kg per m² and mm

Working time: approx. 20 – 30 minutes

Density of the dried compound: approx. 0,95 kg/l

Walkability: approx. 3 hours

Ready to receive floor coverings*: after 24 hours

*All data is approximately based on laboratory test made at a temperature of +20°C and relative humidity of %65. Environmental conditions may change these values. Higher temperatures and lower relative humidity decrease these duration whereas lower temperature and higher relative humidity increases them.

Compressive strength: after 1 day approx. 7 N/mm²
after 7 days approx. 10 N/mm²
after 28 days approx. 15 N/mm²

Tensile bending strength: after 1 day approx. 2,0 N/mm²
after 7 days approx. 4,0 N/mm²
after 28 days approx. 6,0 N/mm²

GISCODE:

Powder GISCODE ZP1 = contains cement low chromate content

Emulsion GISCODE D1= dispersion solvent free

GHS/CLP classification GHS07
Emulsion: none

GGVSEV/ADR classification: None

Packaging: bags with 15 kg net powder
bucket 7,8 kg emulsion

Storage and shelf life: can be stored for approx. 6 month
in dry rooms in originally sealed packaging