



MAX PREP

LEVEL-IT L20

Levelling and Smoothing Compound



Universal | Suitable for most floor coverings

Easy to install | 2.5mm to 20mm in one application

Mixing ratio | 4.5 litres of water to 20kg powder

Coverage | 20kg bag covers 4m² at 3mm thickness

PRODUCT USE

MJS Level-It L20 is a uniquely formulated cementitious underlayment for repairing internal cement floors prior to applying floor finishes.

MJS Level-It 20 is suited for levelling new and existing concrete substrates in large commercial and retail areas.

SUBSTRATES

MJS Level-It L20 is designed for levelling internal dry concrete slabs.

BEFORE INSTALLATION

Concrete floors must be solid, clean and free of wax, grease, asphalt, latex compounds, curing and sealing compounds and any other surface contaminant. Mechanically prepare the floor using recommended preparation methods such as shotblasting, scarifying, diamond grinding, shaving or other suitable methods to provide a roughened, clean, sound, solid and open porous surface.

Acid etching is not an acceptable method of cleaning the subfloor. Do not use solvents or sweeping compounds. Subfloors must be dry (AS 1884) and properly primed for successful installation. Subfloor temperatures must be a minimum of 10°C.

PRIMING

Use ARDEX P 51 over standard concrete floors prior to the installation of MJS Maxprep levelling compounds. Mix 1 part ARDEX P 51 with 2 parts water and apply evenly using a push broom. Do not use paint rollers, mops, or spray equipment. Do not leave any bare spots. Brush off all puddles of excess primer. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours). Very absorbent concrete may require two applications of primer to avoid pinholes and bubbling in the levelling compound. In such cases, make the initial coat 1 part ARDEX P 51 diluted with 3 parts water. Allow to dry and install a second coat of 1 part ARDEX P 51 diluted with 1 part water. Allow to dry to a thin, clear film (min. 3 hours, max. 24 hours).

HOW TO APPLY

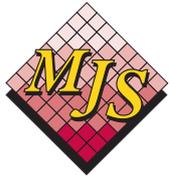
4.5 litres of water to 20kg of MJS Level-It L20 powder. MJS floor levelling products react and harden very quickly when mixed with water. Thorough mixing in the shortest time is essential to ensure the powder and water are evenly dispersed throughout the mix to obtain a lump-free mortar. Always mix the powder into the water. Concrete mixers and hand mixing are not suitable methods.

The most efficient method of mixing is by using a mixing paddle and a heavy-duty electric drill (650 rpm). Normal mixing time of a 20 kg bag using an electric drill or paddle is 2 to 3 minutes.

HOW TO INSTALL

Pour the mixed MJS Level-It L20 onto the prepared subfloor. Wear football boots with rubber or nylon studs to avoid leaving unnecessary marks in the liquid MJS Level-It L20. Do not rework MJS Level-It L20 after 10 minutes.

For ease and efficiency of application MJS Level-It L20 can be pumped using a suitable Automatic Mixing Pump. Follow the instructions as set by the pump manufacturer.



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THICKNESS

MJS Level-It L20 can be applied from 2.5mm to 12mm in one application.

BULKFILL APPLICATION

MJS Level-It L20 can be mixed with well washed and dried 2–5mm aggregate for applications of 12mm to 20mm. A maximum ratio by weight of aggregate to MJS Level-It L20 shall be 1:1. First mix MJS Level-It L20 powder with 4.2L of water, continue mixing while adding aggregate gradually until the aggregate is thoroughly and evenly mixed.

Note: Adding aggregate will modify the flow and consequently the smoothing and self levelling properties of MJS Level-It L20.

COVERAGE

A 20 kg bag will cover approximately 4m² at 3mm thickness.

DRYING-HARDENING

MJS Level-It L20 with a 5mm layer will harden after approximately 3 hours at 23°C and can be walked on after this time. Hardening and drying time will be extended in cooler climates, and shortened in warmer climates. Thicker layers will also extend drying times.

MJS Level-It L20 is ready for floor coverings at usual depths of 2–3mm in 18 hours. Increased thicknesses will result in longer drying times of up to 48 hours maximum @ 23°C at 50%RH.

TECHNICAL DATA

Powder bulk density: 1.3 kg/litre
Mixed mortar density: 2.0 kg/litre

COMPRESSIVE STRENGTH

After 28 days: approx. 37 MPa

TENSILE BENDING STRENGTH

After 28 days: approx. 8 MPa

STORAGE

MJS Level-It L20 has a shelf life of approx 12 months if stored in dry conditions in unopened packaging.

HEALTH AND SAFETY

MJS Level-It L20 contains Portland cement and Quartz sand. Avoid generation of dust. Do not inhale dust. Avoid contact with eyes or skin. Wear suitable protective gloves and safety glasses. In case of contact with eyes, rinse opened eye for several minutes under running water. In case of contact with skin, rinse affected areas thoroughly with running water. If dust is inhaled, remove to fresh air, ensure breathing passages are clear and rinse mouth with running water. If symptoms persist, seek medical advice.



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