

# **DUNLOP** Multipurpose

# FLOOR LEVELLER

**DUNLOP MULTIPURPOSE FLOOR LEVELLER is a cement based compound, that when mixed with water provides a smooth, pourable, free flowing material designed for levelling uneven concrete before applying floor coverings such as carpet and ceramic tiles. It can be used both indoors and outdoors.**



## SUBSTRATES

DUNLOP MULTIPURPOSE FLOOR LEVELLER is suitable for use over concrete surfaces.

## SURFACE PREPARATION

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 shot blasting, 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. Application temperature must be a minimum of 10C and a maximum of 35C

Ensure the project area will have adequate falls to drainage with no ponding water.

## Priming

Use DUNLOP PRIMER & ADDITIVE or DUNLOP MULTIPURPOSE PRIMER over standard concrete floors prior to the installation of DUNLOP MULTIPURPOSE FLOOR LEVELLER. Mix one part primer 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). Low sub-floor temperatures and or high ambient humidity requires longer drying time for the primer. Do not install DUNLOP MULTIPURPOSE FLOOR LEVELLER until the primer has dried thoroughly.

## FLOOR LEVELLER MIXING (UP TO 25MM)

Mix 15kg of DUNLOP MULTIPURPOSE FLOOR LEVELLER with 3L of clean water by pouring the powder slowly into a clean bucket containing the water whilst continually mixing with a heavy duty, low speed (650RPM) mechanical paddle stirrer (not a spiral stirrer). Mix for approximately 2-3 minutes to achieve a smooth lump free mixture. Do not aerate the mix by overstirring. The product should be used (poured and spread) within 10 minutes of mixing at 23°C. Do not mix more product than can be used within this time. Higher temperatures will reduce workability.

## RAMPING MIXING (up to 100mm)

Mix 15kg of DUNLOP MULTIPURPOSE FLOOR LEVELLER with 2.6L of clean water for approximately 1 minute. Add

coarse, clean dried sand to achieve the desired workability of a trowelable, non-flowing screed (approx 7.5kg or 4.9L of 0.15 – 0.6mm sand) and mix for a further 2 minutes.

## BULK FILLING MIXING

Mix 15kg of DUNLOP MULTIPURPOSE FLOOR LEVELLER with 2.8L of water and mix for approximately 1 minute, then add 15kg of clean, dry, 2-5mm aggregate and mix for a further 2 minutes. After mixing with aggregate the flowing characteristics will be reduced.

**Note:** The amount of water used when mixing is critical. Ensure the exact amounts are used. **Do not overwater.**

## APPLICATION

1. Pour the mixed material onto the primed substrate always adding fresh to fresh mortar.
2. Spread into place using a steel smoothing trowel and allow to smooth out. Do not attempt to float the setting surface.
3. Material should be installed at a minimum thickness of 3mm.
4. Material can be installed up to 25mm in one application.

For thicker layers aggregate filled DUNLOP MULTIPURPOSE FLOOR LEVELLER should be applied in one layer to achieve the desired thickness and can then be topped with unmodified DUNLOP MULTIPURPOSE FLOOR LEVELLER (after adequate curing - approx. 4 hours and then re-priming) to give a smooth finish. Alternatively, additional layers of material can be installed once the previous layer has sufficiently hardened. Incorporate movement joints using AS3958 as a guideline. Bring the movement joints through to the tile surface.

Do not apply DUNLOP MULTIPURPOSE FLOOR LEVELLER in temperatures below 10°C or above 35°C. Protect the application of DUNLOP MULTIPURPOSE FLOOR LEVELLER from sunlight and wind until the material has set, however do not cover with plastic sheeting.

## DRYING TIME

Material will harden and set after approximately 2 hours. It can be walked on at this stage and installation of ceramic tiles is possible after 4 hours. Carpet can be installed after 24 hours and vinyl can be installed after 3 days. High temperatures will shorten drying time and low temperatures will extend drying time.

## COVERAGE

As a floor smoothing compound, approximately 9m<sup>2</sup> per