

SOLUTIONS FOR PROBLEMATIC SUBSTRATES

❖ CEMENT SCREED SUBSTRATE

- A. The surface of the cement screed has irregularities of more than 4mm.**

SOLUTION: By using a Hoover, clean the area thoroughly and apply a self-levelling compound, following the manufacturer's instructions. After 48 hours, use a *MAPEI* hygrometer in order to check the moisture of the surface. Read the indication in the corresponding scale.

- B. The flatness of the cement screed is less than 10mm compared to the normal.**

SOLUTION: In this case, you can either apply the appropriate self-levelling compound or industrial wood panels of equivalent thickness. Always make sure that you have left expansion joints between the panels. The result is better when the panels are glued on the floor.

- C. Decayed cement screed.**

SOLUTION: Apply a mixture of cement and building resin (milk) on the surface. After 7 days, ground the surface by using *PRIMER ECO PRIM 1K*. Measure the moisture level after 24 hours.

❖ PORCELAIN OR MARBLE TILES SUBSTRATE

- A. Detached Tiles.**

SOLUTION: Glue the tiles with *ULTRABOND ECO S955 1K*, in order to avoid height differences, or alternatively, cover the gaps by using a self-levelling compound as it dries quickly. Moisture measurement is required, when the surface that we aim to repair is more than 30% of the total surface.

B. The tiles are not glued on the concrete slab (hollow).

SOLUTION: Create expansion joints between the tiles for every 5 meters of length. Install the floor only floating, with as many and dense expansion joints.

Ideally, use ELASTILON STRONG (*see instructions of Elastilon*).

❖ **OLD WOODEN FLOOR SUBSTRATE**

A. Indications for the existence of woodworms.

SOLUTION:

a) Dismantle the floor and disinfect thoroughly with a flamer or a hot-air pistol

b) If the disinfection is conducted only with the suitable liquid drugs, then only install LAMINATE or SILENCE

B. Creaking floor.

SOLUTION: By using a drill, make 2 holes of 10-12mm around the creaking area. The holes must have a distance of 10cm between them. Apply polyurethane foam on the first hole, by watching carefully the expansion on the other hole. The same process is repeated every 1 meter. It is recommended that the new floor is installed glued.

C. Flooded floor.

SOLUTION:

a) The moisture level of the old wooden floor as well as of the concrete slab underneath, must be less than 30% in order to install a new glued floor.

b) You can install a floating floor, by using R-FLEX as underlay, only if it is possible to open ventilation holes, 4cm per 100cm floor sideways (skirting board position)