

PLAN LEVEL 315

3 TO 15 MM THICK SELF-LEVELLING MORTAR FOR FLOORS

1. DESCRIPTION

PLAN LEVEL 315 is a floor-levelling mortar based on hydraulic binders, calcareous and siliceous aggregates and organic and inorganic additives.

PLAN LEVEL 315 is only available in grey.

2. FIELD OF USE

PLAN LEVEL 315 is especially designed for levelling and smoothing concrete, screed or ceramic substrates and is therefore applicable in new construction or renovation work. It is suitable for use in thin layers (3 – 15 mm) so as to obtain a levelled and smooth surface ready to receive a final coating.

PLAN LEVEL 315 has been formulated so that it can be applied manually or mechanically, the latter allowing high yields to be obtained on site.

For non-current uses or on particular substrates, we recommend that you contact our Technical Services.

3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colour	Grey	-
Granulometry	< 1,0mm	-
Paste product	Value	Standard
Mixing water	17,5 ± 1,0 %	-
Theoretical Consumption	1,6 kg/m ² /mm	-
Hardened product	Value	Standard
Compressive strength (28 days)	C25	EN 13892-2
Flexural Strength (28 days)	F5	EN 13892-2
Density	1900 ± 150 kg/m ³	EN 1015-10
Reaction to fire	Class F _{fl}	EN 13501-1

4. APPLICATION

a) Preparation of substrates

Substrates should be free of dust, release agents, loose or unstable material, efflorescence, as well as any material affecting the normal conditions of adhesion.

On heterogeneous substrates or in renovation works, one coat of **MICRO ART AD 21** should be applied immediately before application of **PLAN LEVEL 315**.

Any existing expansion or fractioning joints should be respected and a perimeter joint should be carried out with a minimum thickness of 5 mm, by applying peripheral tape or expanded polystyrene (styrofoam).

b) Preparation of the mixture

Mix the mortar with 5 litres of water per bag using a slow electric mixer (500rpm), until a fluid, homogeneous, lump-free consistency is obtained. Leave the mixture to stand for 1 minute and mix again for a few seconds at a slow speed.

The product may be prepared in continuous mixers with automatic water dosing.

In any case, no water should be added afterwards so as not to weaken the mixture.

c) Application

Once mixed, pour the material onto the floor, using a trowel or spatula to level the surface. If necessary, use a spiked roller to remove any air bubbles.



Application of **MICROART AD 21** primer



Application of **PLAN LEVEL 315**



Levelling of the surface with a spike roller

d) Joints

The project provisions should be complied with regarding the prescription of transverse, longitudinal retraction/flexion, construction and/or expansion joints.

e) Restrictions

PLAN LEVEL 315 screed should not be applied to substrates subjected to constant humidity or subjected to uprising damp by capillarity. Do not apply on industrial floors. It should always be coated.

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f) Complementary Advices

- Execute perimeter joint, with a minimum thickness of 5 mm.
- Structural elements, such as pillars, or space fractionation, or singular points, such as floor boxes, manholes, transition between compartments are advisable to perform a perimeter joint.
- The mixing water must be free of any impurities (clays, organic matter, etc.) and drinking water should be preferably used;
- No mortar that has started its open time should be applied. Do not soften mortars by adding water after preparation;
- Do not add any other products to the mortar. **PLAN LEVEL 315** should be applied as it is shown in its original packaging;
- **PLAN LEVEL 315** should not be applied at ambient temperatures below 5 °C and above 30 °C.

5. PACKAGING AND VALIDITY**Packaging**

25 kg paper bags in plasticized pallets of 60 bags.

Validity

12 months provided the conditions of the original packaging remain unaltered and in good storage conditions, protected from extreme temperature and humidity.

6. RELATED PRODUCTS

- **MICROART AD 21** (Adhesion primer)

7. HEALTH AND SAFETY

(DOES NOT REPLACE CONSULTATION OF THE PRODUCT SAFETY DATA SHEET)

- Irritating to eyes, respiratory system and skin;
- May cause sensitization in contact with skin;
- Do not breathe dust;
- Avoid contact with skin and eyes;
- If it comes in contact with eyes, rinse immediately and abundantly with water and seek a specialist advice;
- Use protective clothing and appropriate gloves;
- Keep out of children's reach.

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PLAN LEVEL 315

EN 13813

CT-C25-F5 - Self-levelling mortar for floors

Declaration of performance DOP.09004

Being the conditions of applying our products out of our reach we do not take responsibility for its misuse. It is the customer's duty to verify the suitability of the product for the intended purpose. In any case, our responsibility is limited to the value of the goods supplied by us. The information contained in the present data sheet may be altered without prior notice. In case of doubt and if you need any further advice please contact our Technical Services.

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