

# APLICA LEVEL

## Fast

### CT C35-F6-RWFC 550

Ultra-fast self-levelling cement-based mortar, used as a screed or to level out floors



Self-levelling



Thicknesses of 1-10 mm



Ultra-fast



**GlobalEPD**  
A VERIFIED ENVIRONMENTAL DECLARATION

## DESCRIPTION

Ultra-fast self-levelling cement-based mortar to be used as a screed or to level out indoor floors which will be covered later. (Ceramics, natural stone, parquet, carpets, synthetic floors, etc.). Easy to apply due to high fluidity. Dries and hardens very quickly. Strong adhesive bond. Can be poured or sprayed onto the application surface. Mortar classified as: UNE-EN 13813 Modified - Polymer CT C35-F6-RWFC 550. According to EN 13.892-7 (Rolling wheel resistance for floor coverings) it is a RWFCV 550, which corresponds to the maximum possible resistance.

## APPLICATIONS

Leveling and smoothing of concrete and mortar surfaces. Surface raising. Can be covered with ceramic tiles, natural stone, lightweight flooring, epoxy flooring, laminate flooring, parquet, etc. For interior applications over existing ceramic floors, it will be necessary to apply our APLICA LEVEL PRIMER primer and ensure proper adhesion of the ceramic flooring that will be covered by the self-leveling compound. For other finishes, please consult the Technical Department.

## APPLICATIONS SURFACES

The surfaces onto which the product is applied must be clean, sound and free from oils, grease, paint and traces of plaster. The surface must be prepared mechanically before application so that it has open pores. Fill in any holes and gaps the day before you apply this product. Absorbent surfaces should be moistened before the product is applied. Make sure that no puddles form on the surface.

## INSTRUCTIONS FOR USE

1. Gradually mix the mortar with water (5,25 litres per 25 kg sack). Do not use too much water.
2. Mix mechanically with clean water at low rpm for 3 minutes until you obtain a smooth, fluid paste.
3. Pour the product over the surface, spreading it out with a trowel or scraper.



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## WARNINGS AND RECOMMENDATIONS

- Do not apply at temperatures below 5°C or above 35°C.
- Always use the exact specified amount of water.
- This product is ready to mix with water. Do not add any kind of additional substance which may alter its properties.
- Compatible with the adhesives normally used for this type of floor finishing. No need to use primers. Highly absorbent surfaces should be saturated before the product is applied. Make sure that no puddles form on the surface.
- Do not use on outdoor floors or surfaces exposed to constant moisture.
- Do not apply onto metal surfaces.
- Do not apply directly onto anhydrite floors.
- Do not apply onto surfaces subjected to bending stress.
- For thicknesses greater than 10 mm, add 30% of 0-4 mm sand (maximum thickness 20 mm).
- If laying parquet, apply a minimum thickness of 3 mm.
- If laying light paving, it is better to sand the surface first.
- We recommend wearing rubber gloves when handling this cement-like product.
- All tools must be washed immediately after use. If the product is allowed to dry, it will only be possible to remove it by mechanical means.
- Storage: up to 9 months after manufacturing in suitable temperature and humidity conditions

## AVAILABLE FORMATS

aplica LevelFast is available in 25 kg paper sacks with moisture-proof plastic lining, dispatched on shrink-wrapped pallets weighing a total of 1.600 kg (64 sacks)

## TECHNICAL FEATURES

|                                                |                                           |
|------------------------------------------------|-------------------------------------------|
| Mixing water                                   | 21% (5,25 l x sack)                       |
| Colour                                         | Grey mortar                               |
| Compressive strength after 28 days (21% water) | 35,1 N/mm <sup>2</sup>                    |
| Flexural strength after 28 days (21% water)    | 6,25 N/mm <sup>2</sup>                    |
| Mixture Density (Kg/l)                         | Approx. 2,12                              |
| Grain size                                     | 0 - 0,6 mm                                |
| Coat thickness                                 | 1-10 mm                                   |
| Consumption                                    | 1,5Kg per m <sup>2</sup> and mm thickness |
| Surface Moisture 24 h (22°/50% hr)             | 4,5%                                      |
| Adhesive bond with concrete after 28 days      | >2N/mm <sup>2</sup>                       |
| Mixture open time*                             | 20 min                                    |
| Set time*                                      | <2 hours                                  |
| Trafficable (22°c)*                            | 3 hours                                   |
| Coverage (22 °c)*                              | 12 hours                                  |
| Shrinkage (mm/m)                               | <0,7 mm/m                                 |
| Fire classification (EN 13501-1)               | A1                                        |
| Flow Density (W/m <sup>2</sup> )               | 69,252 - UNE EN 12664                     |
| Thermal Resistance (m <sup>2</sup> ·K/W)       | 0,289 - UNE EN 12664                      |
| Thermal Conductivity (W/m·K)                   | 0,519 - UNE EN 12664                      |

\*These times may vary depending in environmental and weather conditions for parquet floors, the time increases to 24 hours.

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## COMPRESSIVE STRENGTH

| Water (%)       | Compressive Strength (N/mm <sup>2</sup> ) |         |
|-----------------|-------------------------------------------|---------|
|                 | 24 Hours                                  | 28 Days |
| 19 % (l x sack) | 36,0                                      | 41,7    |
| 21 % (l x sack) | 29,3                                      | 35,1    |
| 23 % (l x sack) | 23,0                                      | 28,3    |

In accordance with UNE-EN 196-1

## EARLY RESISTANCES

| Water (%)           | Compressive Strength (N/mm <sup>2</sup> ) |          |          |
|---------------------|-------------------------------------------|----------|----------|
|                     | 6 Hours                                   | 12 Hours | 24 Hours |
| 21% (5,25 l x sack) | 19,4                                      | 25,6     | 29,3     |

In accordance with UNE-EN 196-1

## NOTE

The recommendations for use are based on our own knowledge and experience. The technical data provided have been obtained under normal laboratory conditions, and may therefore vary according to the environmental conditions in the place where the product is used. As the application conditions are beyond our control, the information provided here does not imply that the company accepts responsibility for any variations.