

## 1. DESCRIPTION

**ADHERE Cor 312** is a gel mortar, whose benefits are those of a cement based tiling mortar classified according to the UNE EN 13888 standard as CG2 WA.

It is highly resistant and has strong colour as well as great waterproofing power. It is easy to apply and to clean. Besides, the “stop powder” ensures better health at work by reducing the emission of suspended dust in the air by around 95%. It is an antibacterial mortar and a natural fungicide as well as recyclable and environmentally friendly. It is suitable for internal and external use, swimming pools and “Gresite” glass mosaic. It has very low emissions of volatile organic compounds (VOC’s). Its special composition enables to obtain a greater yield of the product, consuming less kg per m<sup>2</sup> of application.

## 2. FIELD OF USE

Mortar for the grouting of joints between 3 and 12 mm thickness, with low water absorption and fine finish. Suitable for sealing all types of ceramic tiles or ornamental stone.

## 3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colours	Available in 30 colours	-
Granulometry	< 1,0 mm	-
Paste product	Value	Standard
mixing water	23 - 24 %	-
Hardened Product	Value	Standard
Flexural strength (N/mm <sup>2</sup> )	According to the UNE EN 13888 European Standard as CG2 WA	
Compressive strength (N/mm <sup>2</sup> )		
Water absorption (30 min.) (g)		
Water absorption (240 min.) (g)		

## 4. APPLICATION

### a) Substrate preparation

The pieces and their joints to be filled should be dry and free of any type of debris.

After laying a floor or coating, wait at least 24 hours before applying **ADHERE Cor 312** mortar. In case of porous pieces, **ADHERE Cor 312** mortar should be previously tested to check for any spots on the contact surface.

### b) Mixture preparation

**ADHERE Cor 312** mortar should be mixed with 1,1 litres to 1,2 litres of water (23-24%), preferably potable, per 5 kg package. The powder should be mixed with an electric mixer, until obtaining consistent, creamy and homogeneous in colour paste. The water quantity and the mixing process should be strictly maintained throughout the execution of the work, otherwise colour variations may occur in the final product.

**ADHERE Cor 312** mortar is applied with a rubber trowel, laying the product diagonally towards the pieces. Press strongly the trowel so as to completely fill the joint and remove the surplus.

The surplus product should be cleaned with a cleaning trowel or a slightly moistened sponge, always using clean water.

Mixing of **ADHERE Cor 312**Grouting with **ADHERE Cor 312**

Cleaning of the surplus mortar

Cleaning of the surplus mortar

Once the product is completely dry, clean with a damp sponge and then remove the surplus powder with a dry cloth.

### c) Consumption

So as to theoretically determine the consumption of **ADHERE Cor 312**, use the following calculation formula:

$$C_t = 0,18.L.H. ((A+B)/(A.B))$$

$C_t$  - Theoretical consumption of the mortar (kg/m<sup>2</sup>)

L - Width of joints (mm)

H - Height of piece (mm)

A - Length of piece (cm) B -

Width of piece (cm)

# ADHERE Cor 312

GROUTING MORTAR FOR JOINTS BETWEEN 3-12mm

## d) Restrictions

- Do not apply when rain is expected.
- Do not apply in temperatures below 5 °C or above 30 °C.
- In extreme weather conditions (high winds or high temperatures), drying is faster than normal causing reduction in open application time.
- With high temperatures, unfavourable wind conditions or application on very absorbent supports, it is advisable to moisten the surface and wait until this layer of water disappears before applying the product.
- Grouting on surfaces that are still wet may cause undesirable variations in the joints.
- Clean the joint laid using a moistened sponge in order to hydrate.
- Retouch the product several times with a spatula for good penetration.
- It should not be used in joints exceeding 5 mm in width on floors or walls where specific chemical resistance and zero water absorption are required.
- Protect the product from direct rain and sunlight for at least 12 hours after application.
- Use within 1 year of the packaging date. Store the product in its original packaging in a dry, covered place, protected from moisture.

## e) Complementary Advices

- The kneading water should 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. **ADHERE Cor 312** should be applied as it is shown in its original packaging.

## 5. PACKAGING AND VALIDITY

### Packaging

5 kg paper bags in 4 unit boxes (4 x 5 kg). Pallets of 20 boxes.

### Validity

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

# ADHERE Cor 312

## 6. RELATED PRODUCTS

- ADHERE Cement based adhesives  
(Range of flexible cement based adhesives, ADHERE Ci 1.9, ADHERE Ci 1.0).

## 7. HEALTH AND SAFETY

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

- Causes skin irritation;
- Causes serious eye damage;
- May irritate the respiratory system;
- If it is necessary to see a doctor, show him the package or the label;
- Keep out of children's reach;
- Wash thoroughly after handling;
- Use protective gloves / protective clothing / eye protection / face protection;
- Dispose of the contents and / or the container by means of the selective collection system used in your municipality.

*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.*

Revision of January 2019  
FT.01014.02 EN