

1. DESCRIPTION

ADHERE Ci 1.0 is a cement-based construction tile adhesive formulated from hydraulic binders, limestone and siliceous aggregates and additives.

ADHERE Ci 1.0 is marketed in grey and white colours.

1. FIELD OF USE

ADHERE Ci 1.0 is especially suited for fixing small and medium-sized ceramic tiles, with high absorption on floors and interior walls, on cement-based substrates such as screed and renders.

For non-common uses or on particular substrates, we advise you to contact our Technical-Commercial Service.

2. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colour	Grey or White	-
Granulometry	< 1,0 mm	-
Paste product	Value	Standard
Mixing water	18,0 % ± 1,0 %	-
Initial adhesion to traction	≥ 0,5 N/mm ²	EN 12004-1
Adhesion to traction after immersion in water	≥ 0,5 N/mm ²	EN 12004-1
Adhesion to traction after open time (after 20 min.)	≥ 0,5 N/mm ²	EN 12004-1
Reaction to fire	Class A1	EN 12004-1

4. APPLICATION**a) Substrate preparation**

The substrates must be clean and free of dust, release oils, efflorescences and/or any other materials that may affect the adhesion. They must also be properly levelled, flattened and cohesive. Levelling can be checked using a 2m metal ruler.

On very absorbent substrates, they should be moistened before application. However, they should not be saturated with water at the time of application.

Always provide for placement and/or fractioning joints, so that they can absorb possible movements in the coating.

The ceramic coating must observe the structural joints existing in the substrate, such as expansion joints. These must be made watertight by applying a suitable sealant.

b) Preparation of mixture

ADHERE Ci 1.0 should be mixed with 4.0 to 4.5 litres of clean potable water for each 25 kg bag, with a low speed mixer, until a homogeneous and lump-free paste is obtained.

Allow the mixture to sit for 5 min and mix again.

c) Application

Spread the mixture on the substrate on small spreads, suitable for atmospheric temperature and humidity conditions. Level the surface obtained with a notched trowel suitable for the piece to be laid. The piece to be fixed must be pressed against the substrate with the aid of a rubber mallet, until the tile adhesive strands are completely crushed.

Do not proceed with the fixing when the open time is exceeded (see point 3.), which is confirmed by the presence of a film of different shade that appears on the surface of the tile adhesive.

The joints between indoor ceramics must be at least 2 mm apart.

a) Consumption

Theoretical consumption	Fixing method	
	Simple fixing	Double fixing
Notched trowel no. 6	4,0 kg/m ²	6,0 kg/m ²

d) Restrictions

ADHERE Ci 1.0 should never be applied in isolated portions, but rather covering the entire substrate to be coated with ceramic. The same applies to the back of the pieces to be bonded when double fixing is performed.

ADHERE Ci 1.0 should not be applied when the ambient temperature and/or the substrate is below 5°C or above 30°C. **ADHERE Ci 1.0** cannot be used for outdoor fixing.

a) Complementary Advices

- 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 Ci 1.0** should be applied as it is shown in its original packaging.

ADHERE Ci 1.0

INTERIOR TILE ADHESIVE

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. 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.

	ADHERE Ci 1.0
	EN 12004-1
	Adhesive cement for indoor absorbent tiles
	Declaration of Performance DOP01001B (white) / DOP01001C (grey)
	Notified Lab no. 0855

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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