

1. DESCRIPTION

ADHERE TURBO is an improved construction tile adhesive for fast setting and drying with extended open time (**C2FE** classification according to EN 12004-1), formulated from mixed binders, siliceous aggregates and additives.

The tile adhesive **ADHERE TURBO** is marketed in grey colour.

2. FIELD OF USE

ADHERE TURBO is especially suited for the quick fixing of ceramic tiles or natural stone where there is a tight deadline for execution of the work.

It is suitable for fixing large pieces such as ceramics or natural stone on interior walls and floorings on cementitious substrates such as screed or concrete. It can also be used for fixing medium large size ceramic-to-ceramic, on floors with a radiant heating system or **HIDROSTOP FLEX** waterproofing.

ADHERE TURBO can also be used on exterior pavements for fixing medium format ceramics.

It allows pedestrian circulation 6 hours after application and heavy traffic 12 hours after grouting.

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

3. PRODUCT CHARACTERISTICS

Powdered product	Value	Standard
Colour	Grey	-
Granulometry	< 1,0 mm	-
Paste product	Value	Standard
Mixing water	20,0 % ± 1,0 %	-
Hardened product	Value	Standard
Fast adhesion to traction (6 h)	≥ 0,5 N/mm ²	EN 12004-1
Initial adhesion to traction	≥ 1,0 N/mm ²	EN 12004-1
Adhesion to traction after immersion in water	≥ 1,0 N/mm ²	EN 12004-1
Hardened product	Value	Standard
Adhesion to traction after the action of heat	≥ 1,0 N/mm ²	EN 12004-1
Adhesion to traction after open time (30 min)	≥ 1,0 N/mm ²	EN 12004-1
Reaction to fire	Class E	EN 12004-1

ADHERE TURBO

FLUID FAST SETTING TILE ADHESIVE

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.

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

For fixing on pavements with heavy circulation, the use of **PLAN FORCE** screed is recommended.

If the substrate to be fixed is an old ceramic, make sure it is resistant, levelled and that all parts are well adhered to the substrate.

If not, remove the loose parts and level the coating. If necessary, wash the substrate with suitable detergents in order to remove any grease and residues accumulated on the surface. 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

The tile adhesive **ADHERE TURBO** should be mixed with 4.5 to 5.0 litres of clean potable water for each 25 kg bag, with a low speed electric mixer, until a homogeneous and lump-free paste is obtained.

Allow the mixture to sit for 2 min and mix again.

c) Application

Spread the mixture of **ADHERE TURBO** on the substrate on small areas, suitable for atmospheric temperature and humidity conditions. Level the surface obtained with a notched trowel suitable for the piece to be laid.

For fixing medium-sized pieces, use a 6 mm to 8 mm notched trowel. For fixing large format pieces or in renovations (ceramic-to-ceramic fixing), use a 10 mm notched trowel.

The piece to be fixed must be pressed against the substrate, moving the piece in a slight motion perpendicular to the application direction and using a rubber mallet, until total crushing of the adhesive cement strands.

Periodically check the back of the bonded pieces to check the effectiveness of the fixing technique. The back of the pieces must show at least 90% of its surface covered with the tile adhesive.

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 ceramics shall be at least 2 mm apart indoors and 5 mm apart outdoors.

Wait at least 6 hours after fixing the ceramics to fill the joints with **ADHERE COR** grouting mortar.

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d) Consumption

Theoretical consumption	Fixing method	
	Simple fixing	Double fixing
Notched trowel no. 6	5,0 kg/m ²	6,0 kg/m ²

e) Restrictions

ADHERE TURBO should never be applied in isolated portions, but rather covering the entire substrate to be coated with ceramic / ornamental stone. The same applies to the back of the pieces to be fixed when double fixing is performed.

ADHERE TURBO should not be applied when the ambient temperature and/or the substrate is below 5°C or above 30°C. Fixing should not be done outdoors with adverse weather conditions during or within 24 hours after application.

In cases of dry weather or strong exposure to wind, the pavements must be protected in order to minimize its influence.

f) Complementary Advices

- 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. **ADHERE TURBO** should be applied as it is shown in its original packaging.

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.


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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 TURBO
	EN 12004-1
	C2FE - Improved adhesive cement with fast setting and open time.
	Declaration of Performance DOP.01007C
	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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