

STELLA-CRETE

ACI - 800

Adhesive Cement



- ✓ ***For ceramic tile***
- ✓ ***Pre-bagged with high quality consistency***
- ✓ ***Easy to mix and apply***
- ✓ ***Non-toxic and non-corrosive***



**KEEP
COOL & DRY**



**GREY
POWDER**



**SIRIM
TESTED**



**BUATAN MALAYSIA
MADE IN MALAYSIA**



AC1-800 ADHESIVE CEMENT

ADHESIVE CEMENT AC1-800 is a special formulated cementitious adhesive for all type of ceramic tile application. AC1-800 is an improved cementitious adhesive (C1) slip resistant (T) with extended open time (E) of class C1TE.

Product Information		Packaging: 40kg
Appearance/ Colour	Grey Powder	
Shelf Life	6 Months from the date of production	
Storage Conditions	Proper storage in original unopened and undamaged sealed packaging in dry conditions at temperature between +10°C and +30°C. Keep away from direct sunlight, rain and water.	
Dry Solid Content	100%	

TECHNICAL DATA	
PH Of Mix	> 11
Mixing ratio, water with 40 KG bag	Approximately 10.0-10.8 litres
Consistency of mix	Pasty
Density of mix	+/-1500 kg/m ³
Temperature Range	+5°C to +30°C
Pot Life	> 2 Hours (at +25°C)
Consumption	1.2 KG/m ² /mm (Bonding Ceramic Tiles)

FINAL PERFORMANCES	
Adhesion Strength after 28 Days(C1)	
- Initial Tensile Adhesion Strength	≥ 0.5 Mpa
- Heat Aging	≥ 0.5 Mpa
- Water Immersion	≥ 0.5 Mpa
Extended Open Time (E)	≥ 0.5 Mpa
No less Than 30 minutes	
Slip Resistance (T)	≤ 0.4 mm
Flexural Strength	≥6.0 Mpa
Compressive Strength	≥25.0 Mpa
Resistance to alkali	Excellent
Resistance to oils	Excellent (poor to vegetable oil)
Resistance to solvents	Excellent

CONTACT US

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PRODUCT FOR PROFESSIONAL USE

ADVANTAGES

- Pre-bagged with high quality consistency
- Single component: fixed mixing proportions, ensure the quality of work.
- Easy to mix and apply
- Excellent adhesion
- Non-toxic and non-corrosive
- Keep working environment cleaner

RECOMMENDATIONS

- Do not add cement or additive to AC1-800
- Do not add water when the mix begins to set
- Do not add cement or aggregates
- Do not use on wood and metal surface
- Do not use on rubber, PVC and linoleum surfaces
- Must not be subject to running water or rain for minimum 24 hours
- Not suitable for porcelain tile and smooth substrate

APPLICATION EXAMPLES

Bonding ceramic tiles on conventional substrate like:

- Cementitious screeds and underfloor heating and cooling installations
- Cementitious renders or cement-based mortar
- Bonding ceramic tiles on concrete substrate or light weight / aerated block

APPLICATION PROCEDURE - Preparing the substrate

The substrate must be adequately cured, sound, free of loose particles, grease, oil, paint, wax and other deleterious material or surface contamination and should be sufficiently dry. Cementitious substrate must not be subject to shrinkage after tile installation. Therefore in mild weather; Cement sand wall back screed shall be cured at least 7 days; and floor screed shall be cured minimum 28 days to receive tiles. Substrate that could become too hot due to exposure to sunlight, recommended shading or cooling down with potable water. Gypsum substrate and anhydrite screeds must be totally dry, sufficiently hard and free of dust.

PREPARING THE MIX

AC1- 800 is applied to the substrate using a notched trowel. Choose a suitable trowel that allows for a complete coverage to the backs of the tiles to be installed.

To achieve good adhesion, 1st spread a thin layer of AC1- 800 on the substrate using the straight edge of the trowel. Immediately after, apply the desired thickness of AC1- 800 using a suitable notched trowel, depending on the type and size of the tiles.

For outdoor ceramic floors and wall tiles, back screed must be levelled before tiling installation.

INSTALLING THE TILES

In the case of very dusty backs, it is not necessary to wash the tiles before installation; only by quickly immersing them in clean water is recommended. The tiles must be installed in the normal way, placing them firmly to ensure good contact with the adhesive cement. Tile installed with AC2- 803 must be protected from rain, running water and hot sun for minimum 7days.

CLEANING

Tools can be cleaned with water before the products dry.

SAFETY INSTRUCTIONS FOR PERPARATION AND APPLICATION

The applicator is advisable to use protective gloves, mask and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water. If uncomfortable feeling is persistent, seek medical expert consultation. For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

Packaging: 40kg