



LABOND C103

Tile adhesive for interior/exterior walls and floor application

英泥黏合膠泥(俗稱瓦仔膠一般磚瓦適用)

1.0 Description

LABOND C103 is a ready-mix pre-baged adhesive mortar used for fixing all types of traditional tiles excluding thick marble and slate tile (for such applications please consult LABOND products brochure). LABOND C103 can be used inside and outside for horizontal and vertical application.

1.01 Features and Benefits

- Formulated to comply with European Norm and Chinese Standard
- Specially formulated for renovation and application on old tile
- Extra adhesion under exterior weather condition, specially for exterior condition
- Single component: fixed mixing proportion, ensure the quality of work
- Extended open time of 30 minutes
- Non-slip
- Thixotropic and easy to trowel, good workability
- Shrinkage compensated: reduce the shrinkage cracks

1.02 Uses

- Tiling for large sized tiles and stones
- Tiling on old tiles
- Can be tiled on wood and metal substrate with less adhesive strength compared to cementitious substrate
- Tiling on underfloor heating system
- Interior and exterior wall tiling on renders or cement mortar
- Interior and exterior wall tiling on concrete. The concrete should be sufficiently aged or cured
- Floor tiling subject to heavy stress
- Tiling on gypsum board, cement board, dry wall, gypsum support and anhydrite support as long as the substrate is recommended primed with **LABOND C103** for wall or for floor
- Tiling on cementitious waterproofing material such as **LABOND C103**

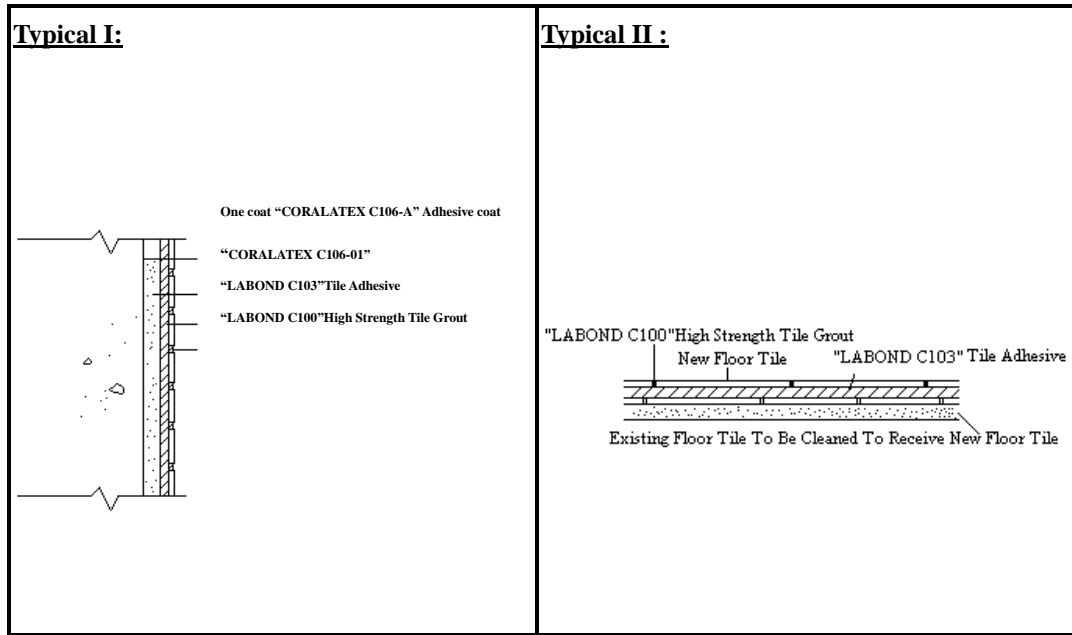
2.0 Technical Data

Shelf Life (store under dry condition) : 6 Months		
Temperature of application : 5° c - 35° c		
Adhesion to concrete	EN 1348 : 2007	
	JC/T 547 : 2004	
	Initial adhesion strength	1.9 N/mm ²
	Adhesion strength after heat aging	1.8 N/mm ²
	Adhesion strength after water immersion	1.6 N/mm ²
	Adhesion strength after freeze-thaw cycles	2.0 N/mm ²
Open time	EN 1346 : 2007	30 min with > 1 N/mm ² adhesive strength
Slip resistance	EN 1308 : 2007	< 0.5 mm
Deformability	EN 12002 : 2002	S1 deformable

Max. aggregate size	1.0 mm
Water demand	Grey : Approx. 24 – 27% or 9.6 – 10.8 L/40 kg bag White : Approx. 27 – 30% or 10.8 – 12.0 L/40 kg bag
Density	1.3 kg/L (dry) Grey 1.2 kg/L (dry) White 1.4 kg/L (wet) for Grey using 26% water demand 1.4 kg/L (wet) for White using 27% water demand
Pot life	Approx. 3 hours
Coverage	Grey : Approx. 1.15 kg/m ² /mm ; White : Approx. 1.15 kg/m ² /mm

3.0 Application Guide

Tiling Guide	Surface	Tile size and weight		Notched trowel Size
		Single bonded	Double bonded	
Interior Walls	Concrete/Cement renders	S<450cm ²	S<1,200 cm ²	6 * 6 * 6 or 9 * 9 * 9 *
		W<40kg/M ²	W<40kg/M ²	
Outside Walls	Concrete/Cement renders	S<100cm ²	S<900 cm ²	6 * 6 * 6 or 9 * 9 * 9 *
		W<40kg/M ²	W<40kg/M ²	
Inside Floors	Flat coating & Self-leveling Screed	S<225 cm ²	S<900 cm ²	9 * 9 * 9 *
	Concrete casted in situ	S<100 cm ²	S<225 cm ²	
	Precast slabs			
Outside Floors	Concrete or mortars with W > 350kg/M ²	Not possible	S<300 cm ²	9 * 9 * 9 *

4.0 Application Diagrams**5.0 Application Details****Preparation**

The surface must be solid and free of materials like grease and dust; it can also be applied on top of properly leveled and compacted cement mortars.

Add 5.8 to 6 liter of clean water per each bag of 25 Kgs. Mix with a trowel or an electrical drill (400 to 600 rpm) until a homogeneous lump-free paste is obtained. Wait 5 to 10 minutes before application.

6.0 Application

Spread the adhesive with a dented trowel to the appropriate thickness depending on the tile format and thickness required. During the installation, please ensure that no superficial film is formed on the adhesive surface, if it happens, go over with a little fresh material. Knock the tiles properly to ensure perfect coverage by the adhesive.

7.0 Technical Service

The Technical office of MASTER PROOFER COMPANY LTD are available for advice on any of LABOND's products.

8.0 Packaging

25 Kg / Bag

9.0 Coverage

3.4 Kg / M²