

# MC 300 Flex

## Tile Adhesive C2S1



**Improved Flexible Tile Adhesive C2 S1 ET**  
**Interior and Exterior, Walls and Floors**  
**CSTB Certificate n° 2316 – 103 MC 471**



### DESTINATIONS

- Improved Flexible Tile adhesive C2 S1 ET, one-component, multi-purpose, for bonding ceramic tiles with low absorbency and very large sizes (up to 10 000 cm<sup>2</sup>), for interior and exterior, walls and floors. New and renovation.
- Allows the application of ceramic and natural stone coatings on deformable substrates, radiant floors (PRE), heated floors, inverted floors, floors on crawl space, and floors on unheated premises, intermediate floors, terraces, balconies, and facade up to 28 m high, walls of very damp rooms (pools).

### SUBSTRATES AND COVERINGS

SITE	SUBSTRATES	MAXIMUM SURFACE OF TILE in cm <sup>2</sup>
INTERIOR FLOORS	concrete pavement on solid ground	10000 * if UPEC certified tiles
	adhered or disconnected screed on paving	
	adhered or reported screed on intermediate floor	
	calcium sulfate screed **	
	fluid cement screed leveling mortar	
	Floor heating hot water	
	concrete floor on crawl space and unheated floor	3600
	old granite tile	
	semi-flexible slabs	
	traces of glue non-dispersible	2200
	old paint or floor resin	
	Homogeneous PVC	
	electric radiant floor	2000
	dry screed	
	lightweight screed and concrete (density > 0.65)	
	asphalt screed	
	Unfertile waterproofing system (SPEC) E 100 XP	
	CTBX, CTBH, OSB3 wood panels	1200
glued mosaic parquet		

\*\* Primarization to saturation with **PRIMASOL R**

\* natural stone 3600 cm<sup>2</sup>

SITE	SUBSTRATES	MAXIMUM SURFACE OF TILE in cm <sup>2</sup>
OUTDOOR FLOOR	Concrete floor and pavement, levelling mortar, old tile	3600*
	Waterproofing system E 200 TECH2 or E 300 2KPLUS	2200*

\* Limited to 900 cm<sup>2</sup> for terracotta.

SITE	SUBSTRATES	MAXIMUM SURFACE OF TILE in cm <sup>2</sup>
INTERIOR WALL	Cement plaster or cement lime plaster	3600
	Concrete	
	Block of cellular concrete	
	Gypsum plasterboard	2000
	Waterproof gypsum plasterboard	
	Terracotta tiles mounted on cement	
	Plasterboard terracotta tiles	1200
	Panels ready to tile	
	CTBX, CTBH, OSB3 wood panels	
	Underwater protection system tiles (SPEC) <b>E 100 XP</b>	2000
	Liquid sealing system (SEL) <b>E 200 TECH2</b>	
	Old frosted tile on support plaster or cement	3600
Old sanded paint		

After application of E 100 XP in the EB + rooms in the footprint area of the bath and shower tray, and for EB + collective sites and EC on all Walls.

SITE	SUBSTRATES	MAXIMUM SURFACE OF TILE in cm <sup>2</sup>
MUR EXTERIEUR	Concrete wall or cementitious plaster height (limited to 6m for water absorbent tiles ≤0.5% or natural stone porosity ≤2% and surface of 2000 cm <sup>2</sup> )	3600
	Concrete wall or cementitious plaster height laying of drawn or pressed tiles and natural stone of height <28 m	2000
	Old mosaic stoneware or paste glass height <6 m	

---

## ADVANTAGES

- New jobs, renovation and all types of heated floors.
- Extended open time.
- Large sizes (100 x 100 cm).

---

## TECHNICAL CHARACTERISTICS

- Appearance: gray or white powder
- Open time: 30 min. about
- Adjustability time: 20 min. about
- Time of entry into circulation: around 24h \*

\* These times are determined at + 23 ° C and 50% relative humidity according to the standard in effect

---

## DIRECTION FOR USE

### SUBSTRATE PREPARATION :

Refer to CPT et DTU 52.2 en vigueur

New substrates must be clean, dry, solid, flat, free from grease, laitance, traces of plaster, etc.

They must be aged:

- 1 month for concrete slabs
- 2 months for walls and concrete floors
- 15 days for cement screeds
- 48 hours for indoor cement plasters
- 3 weeks for outdoor cement plasters

The heated floors will be tested and stopped for 48 hours before the tiles are placed. On calcium sulfate screed, apply our PRIMASOL R primer to saturation.

Renovation substrates will be prepared according to CPT renovation in effect.

On wooden support (panels or old mosaic parquet), apply our primary PRIMABOIS in dry area or E 100 XP In wet area.

On old tiling, sanding and de-dusting before direct gluing with MC 300 Flex

On old semi-flexible slabs, proceed to stripping and rinsing then apply our PRIMASOL R primer Before laying tiles with MC 300 Flex.

### PREPARATION OF THE MIXTURE

Pour in a clean bucket 6.0 l to 6.5 l of water per 25 kg bag.

Introduce the powder into the water and mix with an electric mixer equipped with a suitable whisk until a smooth and homogeneous paste is obtained.

Let rest a few minutes, then re-mix before applying.

### APPLICATION

Spread the adhesive mortar on the support with the smooth side of the spatula and adjust the thickness of the grooves with the notched side. For double-sided application, apply a smooth, continuous layer to the back of the tile before displaying on the glue grooves on the floor.

Do not apply too much surface and beat the tiles to obtain an optimal transfer.

Dispose of MC 300 Flex residues on tiles or between joints with a damp sponge as it is laid.

After drying the MC 300 Flex (minimum 24 hours), the grouting will be done with one of the following products:

- **J 100 Thin Joint** (width 1 to 6 mm)
- **J 125 Large Joint** (width 3 to 20 mm)
- **J 150 Rustic Joint** (width 5 to 80 mm)
- **J 175 Flex Joint** (width 2 to 15 mm)
- **J 200 High Chemical Resistance Joint** (width 2 to 15 mm)
- **J 300 Epocolor Epoxy** (width 2 to 15 mm)

## CONSUMPTION

TILE SURFACE in cm <sup>2</sup>		S < 50	50 < S ≤ 500	S 500 < S ≤ 1100	1100 < S ≤ 2200	2200 < S ≤ 3600*	3600 < S ≤ 10000
SPATULA		U3	U6 ou U9	U9	U9 or semi-circle 20*8mm		
INTERIOR FLOOR	SB	1.5	3.5 - 4.5				
	DB			5 - 6	6 - 7	7 - 8	9
EXTERIOR FLOOR	SB	1.5					
	DB		4 - 5	5 - 6	6 - 7	7 - 8	

Unit: kg/sqm

SB = simple bonding

DE = double bonding

\* NATURAL STONE ONLY IN EXTERIOR FLOOR.

TILE SURFACE in cm <sup>2</sup>		< 50	50 < S ≤ 500	S 500 < S ≤ 2000	2000 < S ≤ 3600
SPATULA		U3	U6	U9	
INTERIOR WALL	SB	1.5	3.5 - 5		
	DB			6	7
EXTERIOR WALL	DB	1.5	4.5 - 6	7 - 8	9

Unit: kg/sqm

SB = simple bonding

DB = double bonding

## CONSERVATION

12 months in original CLOSED packaging, stored in a dry and temperate room.

## CONDITIONING

Code	UC	PCB	GENCOD
30604422	Grey - Bag 25 kg	1	3549212471521
30600437	White - Bag 25 kg	1	3549212473983

The implementation recommendations are defined in relation to average usage standards. They are imperative to respect but do not dispense with prior tests, especially in the case of first use and / or particular constraints of the support, the site or the environment. Consult our safety data sheets for precautions for use.

For more details, consult the safety data sheet on [www.quick-fds.com](http://www.quick-fds.com) or request a copy by fax



Bostik SA - Département Construction - 253 Avenue du Président Wilson - 93211 La Plaine Saint Denis Cedex -  
Fax Service Technique : 01 64 42 16 67 - [www.bostik.fr](http://www.bostik.fr)