

# PROCESS 009

## MORTAR ADDITION: SETTLEMENT AND ASSEMBLY



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#### 1. DOCUMENTS USED

CONSTRUCRIL CHAPIX PRODUCT SHEET

#### 2. PURPOSE

The purpose of Process 009 is to detail the application of Construcril® Chapix® as an additive in Settling and Grouting mortars, in order to provide manpower training and thus guarantee the result wanted.

#### 3. REFERENCE

NBR. 13.753, 13.754 e 13.755.

#### 4. PLACES OF APPLICATION

- Mortar additives for laying and grouting

#### 5. SAFETY AND TOOL EQUIPMENT

- Mortar mixer;



- IPE. - mandatory work + rubber glove
- Propeller / Mixer
- Trowel;
- Toothed steel stripper (6 x 6 x 6 or 8 x 8 x 8);
- Tile cutter;
- Bricklayer Line;
- Grouted steel stripper for grouting;
- Special grout or cloth removal foam.

#### 6. MATERIALS

- .Construcril Chapix;
- AC-I adhesive mortar provided by the work

#### 7. CONSUMPTION

- Floor: 0.5 ml / m<sup>2</sup>.cm;
- Coatings: 0.4 liters / m<sup>2</sup>.cm;
- Mortar additive for tile: 0.5 liters / m<sup>2</sup>.cm.

#### 8. INITIAL CARE

- Surfaces must be clean of dust, oil or grease, free of debris, iron tips, loose particles;
- The substrate must be ready and level to receive the ceramic.

#### 9. PREPARING THE SOLUTION WITH CONSTRUCRIL CHAPIX

- In a clean container add Construcril Chapix and water (1: 2).

#### 10. ADDITIVE TRACES OF MORTAR FOR SITTING OR ASSEMBLY

Grouting Mortar	
Mat. Solids	Volume
Cement	1
Sand	2
Gravel	-
Mat. Liquids	Proportion
Water and Construcril Mixture Chapix	2:1
Comments	Conventionally apply

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FLOOR MORTAR	
Mat. Sólids	Volume
Cement	1
Sand	1
Gravel	2
Mat. Líquids	Proportion
Water and Construcril Mixture Chapix	2:1
Comments	Apply adhesive compound previously. Thicken strongly mass and effect wet cure

COATING, LEVELING MORTAR AND REPAIR	
Mat. Sólids	Volume
Cement	1
Sand	3
Gravel	-
Mat. Líquids	Proportion
Water and Construcril Mixture Chapix	2:1
Comments	The consistency of the dough varies with the type of application

CERAMICA AND TILE COLLAGE	
Mat. Sólids	Volume
Cement	1
Sand	2
Gravel	-
Mat. Líquids	Proportion
Water and Construcril mixture Chapix	2:1
Comments	Apply with notched trowel in maximum layer 5 mm

### 11. ADDITION OF MORTAR FOR COATING

- The second step is to choose a corner where you want to start placing the whole pieces, usually the preference is to put the place where you will have the first view when you enter the room and the pieces are behind the doors because rarely the pieces will be all whole in the room; Once you choose the corner where you want to start, you place an entire piece at each end of the room (no need to glue the pieces to the floor);

- Then a nail is fixed next to them and a mason's line is stretched, but without letting the line touch the ground, as it will be the pilot, the reference point for laying the other pieces. Try to get as close as possible;
- Once this is done, the mortar added with Construcril Chapix is passed to the pieces to be placed. The mortar has to be very homogeneous and pasty, not too soft and not too hard. Remember that every pottery has a design combination.

### 12. ASSEMBLY WITH ADDITIONAL MORTAR

According to the NBR. 13.753, 13.754 and 13.755, grouting must be started at least 72 hours after the ceramic tiles have been laid

#### 12.1. PREPARING THE GRINDING MORTAR

- Mix with the mixer attached to the drill the ® ® Construcril Chapix solution of item 10 with grout mortar, without using water, to achieve the desired workability;
- Construcril Chapix should be used to replace the water indicated by the manufacturer and cannot be diluted;
- Optimum consistency can be adjusted by increasing or decreasing the addition of the Construcril Chapix solution.

#### 12.2. IMPLEMENTATION OF THE ASSEMBLY

- Apply the resulting mortar using rubberized steel trowel, compressing the grout on the joints to completely fill them;
- The grout must have plastic and not liquid consistency;
- Clean the plates with damp foam or damp cloth after 15 to 30 minutes of application, removing excess grout;
- The sponge or cloth should be washed and wrung frequently to provide proper cleaning. If necessary, repeat the cleaning process more than once.

### 13. FINAL CARE

- With Construcril Chapix you should have the usual care typical of chemicals;
- Good ventilation of the work area;
- Wear work clothes and gloves protecting the skin
- Wash with clean water.
- After application clean the tools before the product hardens.

### 14. TECHNICAL SUPPORT

The information contained in this data sheet is accurate based on our tests, scientific knowledge and on-site evidence. Strict quality control and reputable suppliers guarantee the integrity of our products. Construcril has qualified professionals to provide all technical support and training in the application of our products. We assume no responsibility for misapplied products. For more information, contact our technical