

PROCESS 004

FLEXIBLE WATERPROOFING SYSTEM FOR
POOLS, RESERVOIRS, WATER BOXES,
LIFT WELLS, CISTERN, MIRRORS
WATER AND SHOWER - FULLY
BURIALS



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1. DOCUMENTS USED

CONSTRUCRIL FLEX PRODUCT SHEET.
CONSTRUCRIL FLEX 1000 PRODUCT SHEET.

2. PURPOSE

The purpose of Process 004 is to detail the application of Construcril® Flex® and Construcril® Flex 1000® in fully buried areas, subject to negative pressure, in order to provide manpower training and therefore to ensure results. desired

3. REFERENCES

NBR 9574 – Waterproofing Execution;
NBR 16280 – Renovation in Buildings

4. APPLICATION PLACES

- Fully buried pools;
- Fully buried reservoirs;
- Fully buried water boxes;
- Fully buried elevator shafts;
- Cisterns;
- Fully buried water mirrors;
- Fully buried rubbers.

5. SAFETY EQUIPMENT AND TOOLS

- IPE - mandatory work + rubber glove
- Drilling machine
- Propeller / Mixer

- 2 "brush;
- 4 "brush;
- Sheepskin brush or roller
- Metal plow or spatula
- Stylus
- Scissors



Equipamentos, ferramentas e materiais.

- Roll of sheep's wool from below
- Broom

6. MATERIALS

- Construcril® Flex®;
- Construcril® Flex1000®;
- Cement (CP II E 32 or CP II F 32) provided by the work;
- Polyester fabric
- Polyester fabric – width 20cm mesh 1 x 1mm

7. CONSUMPTION

- 250 g / m² per coat Construcril Flex;
- 220 g / m² per coat Construcril Flex 1000;
- Variable according to substrate conditions (porosity).

8. INITIAL CARE

- The location of the waterproofing should preferably be next to the water pressure;
- Joints must be provided with adequate spacing with flat and parallel surfaces;
- The cavities or nests on the surface must be filled with cement mortar and volumetric trace sand (1: 2), with additives (Construcril Chapix - Process 009 is recommended);
- The transit of personnel, material and equipment, foreign to the waterproofing process, during its execution must be prohibited
- Correct any cracks, provided they are not structural, with PROCESS 017;

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- The drain pipe should be cut flush with the floor to allow it to be covered with the waterproofing mixture.

9. SURFACE PREPARATION

- Surfaces must be clean, free of dust, oil or grease, free of debris, iron spikes, loose particles, etc.

10. PRIMING

For better adhesion between the substrate and the waterproofing membrane, the application of priming is recommended

10.1. PREPARING THE PRODUCT FOR PRINTING

- Dilute Construcril Flex 1000 in water 1: 4 (Construcril Flex 1000: Water);
- This water must be clean and free of impurities.

10.2. PRIMING IMPLEMENTATION

- Apply priming to every area to be waterproofed
- Apply priming to critical points: drains and baseboards.

11. APPLICATION OF WATERPROOFING SYSTEM AGAINST NEGATIVE PRESSURE

11.1. PREPARATION WATERPROOFING MIX

- Mix mechanically with drill with attached mixer for 3 minutes until workable in paint form. (1Construcril®Flex 1000: 1st CPlI);
- NOTE: POT-LIFE (mixing time): Prepare the amount of mixture to be used within 120 minutes.

11.2. TREATMENT OF CRITICAL POINTS

BASEBOARDS

- Apply the first coat of the waterproofing mixture
- about the footer area: 10 cm on the floor and 10 cm on the wall, with the 4 "brush
- Apply polyester mesh - width 20 cm mesh 1 x 1 mm, so that it is perfectly stretched and centered, ensuring the coverage and flatness of the entire length treated. The screen should be 10 cm on the floor and 10cm on the wall. To fix the screen, apply another coat of waterproofing mixture on the screen evenly the surface.

In sharp corners the screen should be cut and overlapped;

- Apply the brush mixture to the footer area: 10 cm on the floor and 30 cm on the wall;
- Note: POT-LIFE (mixing time): Prepare the amount of mixture to be used within 120 minutes

DRAINS

- Apply the waterproofing mixture on the floor around the drain (40 cm from the center);
- Cut the polyester canvas to a size that exceeds the drain by about 40 cm, place it centered over the drain, cut the cross-shaped canvas, then x-shape, fold the canvas into the drain;
- Apply two more coats of waterproofing mixture on the screen to even the surface, apply on the inside of the drain, where the screen was turned;
- Note: POT-LIFE (mixing time): prepare the amount of mixing to use within 120 minutes;



- Apply the waterproofing mixture on the floor around the drain (40cm from the center).

11.3. EXECUTION MODE

- After treating the critical points, apply three cross coats across the area to be waterproofed;
- Brush, sheepskin roller or 4 "brush can be used;
- Always respect curing between coats which is 40 to 90

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minutes at 25°C and 50% relative humidity;

- Note: POT-LIFE (mixing time): Prepare the amount of mixture to be used within 120 minutes.

12. APPLICATION OF WATERPROOFING SYSTEM AGAINST POSITIVE PRESSURE

12.1. PREPARATION WATERPROOFING MIX

- Mechanically mix Construcril Flex with cement (CP II E 32 or CP II F 32) in the 1: 1 stroke (Construcril Flex: cement) with a drill with attached mixer until no lumps are present in the mixture;
- § Note: POT-LIFE (mixing time): Prepare the amount of mixture for use within 120 minutes.

12.2. EXECUTION MODE:

- After treatment with waterproofing against negative pressures;
- Apply three coats of pressure system
- positive, (1: 1) Construcril Flex: Cement (CP II E or CP II F 32) throughout the area to be waterproofed.
- One can use brush, sheepskin roller or 4 "brush;
- Always respect cure between coats which is 90 minutes at 25°C and 50% relative humidity.

13. FINAL CARE

- After the waterproofing has been carried out, it is recommended to carry out a waterproof load test, with a minimum duration of 72 h to verify the application of the system used according to NBR 9574/1986;
- Construcril Flex and Construcril Flex 1000 must have
- the usual care typical of chemicals;
- Good ventilation of the work area;

- Use of work clothes and gloves to protect 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 and based on our tests, scientific knowledge and proof of work. 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

