

FTB

FTB EPOGROUT

ART NR 20.400

3 COMPONENTS EPOXY MORTAR, SOLVENT FREE, FOR THE CASTING OF MACHINE BASES, SUPPORT PLATES, ETC.

DESCRIPTION

FTB EPOGROUT IS A WELL FLUENT WET EPOXY MORTAR WITH PARTICULAR HIGH ADHERENCE AND IMPACT STRENGTH. FURTHERMORE IT HAS A VERY LOW COLD FLOW AND A SHRINK-FREE HARDENING. THE HARDENING OCCURS CONTROLLED RAPIDLY, AFTER A FEW HOURS MORE THAN 50 % OF THE MECHANICAL VALUES ARE REACHED.

COMPOSITION

FTB EPOGROUT IS AN EPOXY MORTAR COMPOSED FROM 3 COMPONENTS:

- * COMP. A: PURE LIQUID EPOXY-RESIN.
- * COMP. B: HARDENER WITH POLYAMIDES, WITH SLOW RESPONSE SPEED.
- * COMP. C: MINERAL FILLER.

THE 3 COMPONENTS ARE PRE-PROPORTIONED.

APPLICATION

FTB EPOGROUT IS SPECIALLY DEVELOPED FOR THE CASTING OF MACHINE BASES, BRIDGEHEADS, ETC.

METHOD OF WORKING

1. PREPARATION OF THE SUPPORT:

THE SURFACE TO BE TREATED MUST BE COHERENT, FREE OF DUST AND GREASE. HARDENING ON A HUMID OR WET SURFACE IS POSSIBLE AND WILL NOT INFLUENCE IN A NEGATIVE WAY THE COMPRESSIVE STRENGTH, BUT IT WILL BRING A BIG ADHERENCE LOSS. THE MINIMUM THICKNESS OF THE CASTING IS ± 2 CM, SMALLER QUANTITIES OR LAYERS SHOULD BE FILLED WITH AN OTHER TYPE OF MORTAR OR WITH INJECTION MATERIAL. ANCHORING BARS SHOULD BE DEGREASED IN ADVANCE AND PREFERABLY NOT BE STRAIGHT OR SMOOTH.

2. CASTING:

THE CASTING HAS TO BE DONE FROM ONE SIDE TO THE OTHER TO AVOID AIR BUBBLES UNDER THE BASE. ALWAYS OPERATE WITH A CASTING OPENING (MIN. 5 CM) AND A CONTROL OPENING (MAX. 3 CM). A STANDING FORMWORK HIGHER THAN THE THICKNESS OF THE CASTING IS NECESSARY TO PUT ENOUGH MATERIAL DURING THE EXHAUST PHASE (HARDENING PHASE).

NOTE: THE IDEAL AMBIENT TEMPERATURE IS 15°C. LOWER TEMPERATURE INFLUENCES STRONGLY THE FLOW, BUT THE HARDENING AT 5°C HAPPENS WITHOUT PROBLEMS.

CLEANING OF THE MATERIAL

WITH FTB CLEAN 1

CHARACTERISTICS

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| COLOUR: | BROWN |
| DENSITY: | 1,9 KG/ LITRE |
| POT-LIFE AFTER MIXING AT 15°C: | 20 MINUTES |
| HARDENING TIME AT 15°C: | 24 HOURS |
| ENTIRE CHARGE: | AFTER 5 HOURS WITH 10 CM THICKNESS OF LAYER AND 15°C, THE COMPRESSIVE STRENGTH IS COMPARABLE WITH THIS OF CONCRETE AFTER 7 DAYS |
| TEMPERATURE RESISTANCE: | MIN. 50°C |
| RESPONSE TEMPERATURE: | THE MORTAR IS WARMING UP STRONGLY DURING HARDENING |
| COMPRESSIVE STRENGTH: | 80 N/ MM ² |
| FLEXURAL STRENGTH: | 30 N/ MM ² |
| STRAIN AT FISSURE: | ± 1,5 % |
| E-MODULE: | CA. 3,5 x 10 N/MM ² |

CONSUMPTION

APPROX. 1,9 KG/M³

CONDITIONING

29 KG

STORAGE TIME

1 YEAR IN CLOSED CONDITIONING AND FROST-FREE.



EPILOGUE

OUR TECHNICAL INFORMATION IS BASED ON OUR OWN EXPERIENCE AND IS GIVEN IN GOOD FAITH. WE GUARANTEE A CONSTANT QUALITY OF OUR PRODUCTS, BUT WE CANNOT ACCEPT ANY RESPONSIBILITY CONCERNING THEIR APPLICATION.