

CHEM-GROUT CJR

GROUT FOR REPAIRING CONCRETE & CONSTRUCTION JOINTS

DESCRIPTION:

CHEM-GROUT CJR is designed to repair the critical areas, where high strength, non-staining characteristics and positive expansion are required like all types of construction joints, all types of concrete defects, like honey combing, blow holes, tie rod holes, pipe crossing through the slab for utilities. It contains only natural aggregate and an expansive cementitious binder. The expansion is used on non-gas forming cementitious materials. It is extremely flowable, and when cured, appears similar in appearance to concrete.

PRIMARY APPLICATION:

- Construction joints treatment
- Concrete Repairs
- Column baseplates

FEATURES / BENEFITS:

- Non-shrink performance provides excellent bearing
- Flowable and self-leveling
- High strength
- Appearance of plain concrete
- Does not contain any added chloride ions

SPECIFICATION / COMPLIANCES:

- Shows positive expansion when tested in accordance with ASTM Specification
- C-1090, Standard Test Method for Measuring Changes in Height of Cylindrical Specimens from Hydraulic Cement Grout.
- Meets the performance requirements of ASTM C 1107, Grade C, combination volume adjusting grout standard specification for packaged dry, hydraulic-cement grout (non shrinkable).

TECHNICAL INFORMATION:

Flowable Consistency

3.36 Liter / 20 Kg

Flow Rate: ASTM C939 & CRD C-621

120% Flow (flow table)

Fluid Consistency

4 liter / 20 kg

Flow Rate: ASTM C939 & CRD C-621

20 to 30 seconds (Flow Cone)

Compressive Strength

50 mm cubes ASTM C-109

Age Strength

3 days 4,000 psi (28 MPa)

7 days 6,000 psi (41 MPa)

14 days 6,500 psi (45 MPa)

28 days 7,000 psi (48 MPa)

Setting Time ASTM C-191

Initial Set 3 hrs 5 mins.

Final Set 4 hrs 47 mins.

PACKAGING / YIELD:

CHEM-GROUT NS is packaged in 20 kg bags and yields 0.011 m³ of fluid grout when mixed with 2.8 liter of water.



DIRECTIONS FOR USE:

The contractor and engineer are suggested to consult and review with us "Application Instruction Cementitious Grouting."

MIXING:

Consistency Estimated Water Content*

Fluid 4.0 liter/20 kg

Flowable 3.36 liter/20 kg

Plastic 3 liter/20 kg

(Do not add excess water that will cause bleeding or segregation). More or less water may be required to achieve a 25 second flow or the desired placing consistency, depending on temperature and other variables. Do not add sand or cement to the grout since this action will change its precision grouting characteristics.

Where **CHEM-GROUT CJR** will be placed at a thickness over 50 mm in the bolt pockets, up 11.3 kg of pea gravel may be added to each bag of grout. The aggregates shall be washed and in SSD conditions to use with the grout.

Curing and Sealing - Proper curing procedures are important to ensure the durability and quality of the grout. Wet cure the grout until the forms are stripped.

CLEAN-UP:

Clean tools and equipment with water before the material hardens.

PRECAUTIONS /LIMITATIONS:

- DO NOT ADD ANY ADMIXTURE OR FLUIDIFIERS.
- Proper curing is required
- Employ cold weather or hot weather grouting practices as the temperature dictates.