

OXY - GROUT

The General Purpose

Fiber-Reinforced, non-shrink Grout

1.0 Description

1.1 General

OXY-GROUT is a quick setting, fiber-reinforced, non-shrink & non-metallic all purpose grout with excellent adherence and mechanical properties. OXY-GROUT may be used for interior or exterior applications on floors, walls or ceilings. The quick set formulation of OXY-GROUT provides excellent strength, making it a high quality all-purpose grout for different applications (consult SIDER-OXYDRO for specific approved application).

2.0 Materials

2.1 Description

OXY-GROUT consists of factory-blended cement, fibers and proprietary admixture product. Available as a 55lb. bag of factory blended concentrate mix requiring only the addition of potable water at the job site.

3.0 Mixing Instructions

Mix for no less than 5 minutes in the following steps to achieve a consistent, homogeneous mix. Do not over-mix:

- 3 to 3.5 quarts (3 to 3.5 liters) of potable water depending on desired consistency
- 1 bag (55lb/25kg) of OXY-GROUT

Adjust the amount of water according to desired workability. The mix must be used within the hour and may not be re-tempered. Repeat the mixing procedure and add the same amount of water with every batch. Do not re-temper the material nor use partially set or frozen material in the mix.

4.0 Installation

4.1 Application

Surface Preparation

Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, from form oils and other foreign particles. Paint, loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing. Drilling must be achieved at speed to avoid degradation of the concrete. Dampen excessively dry and overheated substrates before application.

4.2 Application

Apply OXY-GROUT for general use where grout is needed, uses may include but are not limited to setting items such as posts, bolts, wrought iron, railings, and general setting in concrete is required. Please contact SIDER-OXYDRO for information on different approved types of a application. In general, set the object and fill the cavity with OXY-GROUT. Smooth the surface and allow to dry.

4.3 Limitations

Apply OXY-GROUT when surface and ambient temperatures are above 41°F (5°C) and below 95°F (35°C) during application and drying period. Do not apply to overheated, excessively dry or frozen substrate, nor during periods of high winds. OXY-GROUT should not be applied below grade or water immersed surfaces. Distance to grade varies with climate. Allow sufficient distance to prevent dirt, snow, ice and water accumulating in a puddle to be in contact with the coating. Protect the coating from rain, freezing for at least 24 hours and from uneven and excessive evaporation during hot temperatures by moist curing. Due to the natural ingredients that make-up OXY-GROUT or the nature of the substrate, the development of efflorescences may naturally occur and appear on the surface of

OXY-GROUT.

5.0 Specifications

Data & test results

- a. Aggregate: 0 – 2.5 mm
- b. Mix density: 2.1 g/cm³
- c. Setting time: ~ 2 hrs (depending on ambient temperature and humidity)
- d. Flexural strength: 715 psi @ 24 hrs

Flexural strength: 1,000 psi @ 28 days

e. Compressive strength: 7,875 psi @ 24 hrs

Compressive strength: 10,500 psi @ 28 days

f. Pull out test: 72 KN

g. Elasticity Modulus: 33 000 MPa

6.0 Miscellaneous

6.1 Packaging

55 lb. (25 kg) bag of powder (paper bag with moisture barrier).

6.2 Storage and shelf life

Shelter in a dry environment and away from extreme heat, direct sunlight, rain and freezing. Shelf life is 6 months in the original sealed packaging, properly sheltered.

6.3 Clean up

OXY-GROUT cleans up with water before drying. Clean tools and equipment after use with water. Clean up and remove all debris and materials according to federal, state and local regulations in an approved landfill.

6.4 Commercial name

OXY-GROUT