Master Format: 03 62 13

APRIL 2015
(Supersedes January 2006)

SPEED-E-ROC™

Rapid-Setting Anchoring Cement Grout

DESCRIPTION

SPEED-E-ROC is a pourable, rapid setting and hardening, high strength, hydraulic cement compound designed for anchoring and grouting. SPEED-E-ROC has a controlled expansion system and is non-shrink. SPEED-E-ROC has a set time of 10 - 20 minutes at 77° F (25° C) and obtains 4,000 psi (34.4 MPa) in one hour.

USES

SPEED-E-ROC is ideally suited for anchoring rails, bolts, ties, dowels, reinforcing steel, threaded rods, sign posts, parking meters, street signs and ornamental steel work into concrete or any other properly-prepared, porous, hardened material. SPEED-E-ROC may be used as a precision, highly flowable and rapid-setting grout for machinery base plates, bearing plates and columns. It is suitable for industrial, residential and civil engineering applications. The product can be used in interior or exterior applications and freeze-thaw environments.

FEATURES/BENEFITS

- Very rapid hardening and setting properties.
- Suitable for exterior and interior applications.
- Freeze-thaw stable.
- Very high one-hour and 24-hour strengths.
- Controlled expansion.
- Cement-based; contains no chloride accelerators.
- Gray color; similar appearance to concrete.
- Non-metallic; contains no chlorides.
- Easy to use; just mix with water.
- Very pourable.
- Accelerates Portland cement based materials.

PACKAGING

8 Lb. (3.6 Kg) Tub
50 Lb. (22.7 Kg) Pail

COVERAGE

Pail yields 0.50 ft.^{3} (0.014 m^3). Tub yields 0.08 ft.^{3} (0.0022 m^3). Yields are based on eight pints (3.8 L) of water per pail of SPEED-E-ROC and will vary based on substrate profile, variations in mix water amounts, and waste. Field trials should be performed to determine yields based on jobsite conditions.

SHELF LIFE

Two years from date of manufacture when stored indoors on pallets in a dry, cool area. Do not store product outside.

TECHNICAL DATA

The following physical properties were obtained using the water to powder ratio of eight pints (3.8 L) per 50 lb. of SPEED-E-ROC at 75° F (23.8° C).
Set Time (Per ASTM C 191): 10 – 20 min.
Controlled Expansion: 0.08%
Compressive Strength (Per ASTM C 109-air cured)

@ 1 hour	4,000 psi (27.6 MPa)
@ 24 hours	5,800 psi (40 MPa)
@ 28 days	7,100 psi (48.9 MPa)

All technical data is typical information, but may vary due to testing methods, conditions and operators.

APPLICATION

For Anchoring into Concrete or Porous Hardened Material

Surface Preparation … Substrate must be structurally sound and free of any contaminants that will adversely affect bond. Drill anchor hole using a rotary percussion hammer. Prepared surface must be dust-free and have a sufficient profile to ensure adequate mechanical lock.

Presoak repair zone, prior to application of SPEED-E-ROC, to a saturated, surface dry (SSD) condition and free of standing water.

CONTINUED ON THE REVERSE SIDE...

W. R. MEADOWS, INC.
P.O. Box 338 • HAMPSHIRE, IL 60140-0338
Phone: 847/214-2100 • Fax: 847/683-4544
1-800-342-5976
www.wrmeadows.com • info@wrmeadows.com

Anchor bolts must be installed utilizing a washer. The anchor hole diameter shall be no larger than what is required for the anchor bolt and washer assembly to slide to the bottom of the anchor hole and rest on bolt head.

Grouting ... Substrate must be structurally sound and free of any contaminant that will adversely affect bond. Prepared surface must be dust-free and have a sufficient profile to ensure adequate mechanical lock. Presoak repair zone prior to application of SPEED-E-ROC to a SSD condition and free of standing water. Ensure forming system is watertight to avoid excessive leakage of SPEED-E-ROC from the grout zone. Use a suitable release agent, such as DUOGARD® from W. R. MEADOWS, on forms to aid in the removal process.

Mixing ... Mix one part potable water to six parts of SPEED-E-ROC or until a homogeneous, lump-free, pourable mixture is obtained.

Mix pail with approximately eight pints (3.8 L) of potable water. Mix tub with approximately 1.25 pints (0.6 L) of potable water.

PRECAUTIONS

Not intended to be used as an underlayment or overlay. Do not apply below 35° F (1.7° C) or above 95° F (35° C) or when rain is imminent. Protect from freezing for a minimum of 24 hours. SPEED-E-ROC should be crowned or shaped as to allow water flow away from anchor and/or coated with a concrete sealer or penetrating sealer. SPEED-E-ROC is not intended to be used in submerged or continuously wet applications. Do not add any admixtures. Exceeding liquid requirements shall result in reduced physical properties. Realize that set time will decrease as the product, air, substrate, and mixing liquid temperature increases and will be increased as the temperature decreases. Failure to follow industry standard practices may result in decreased material performance.

HEALTH AND SAFETY

Avoid inhalation of dust. Avoid direct contact with this product. Utilize gloves and safety glasses to minimize direct contact. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children. For industrial use only. Refer to Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most current data sheet, further LEED information, and SDS, visit www.wrmeadows.com.