



WEDJROK GROUT

*High Speed
Cementitious Grout*

1. Product Description

a. **Basic Use:** Wedjrok Grout is a rapid setting, high-early strength grout compound for use under steel baseplates of all types. It is formulated at a pourable consistency and is free-flowing under baseplates and into anchor bolt sleeves.

b. **Features/Benefits:**

- Flowable for easy placement.
- Sets hard in 90 minutes.
- Minimizes downtime.
- Contains no iron or ferrous materials.
- Can be used down to freezing temperatures.
- No added calcium chloride or corrosive agents.
- Contains no portland cement.

c. **Typical Applications:** Pumps, motors, compressors, machinery, anchor bolts, columns.

d. **Limitations:** Wedjrok Grout is designed for use in dry environments. Avoid running water or continuous moisture.

e. **Composition:** Wedjrok Grout is a blend of expansive cementitious components, proprietary chemicals, and a special aggregate blend that undergoes a controlled expansion when mixed with water.

f. **Color/Appearance:** Similar to light concrete.

2. Packaging

Wedjrok Grout is packaged in 50-lb. (22.7 Kg) bags, 60 bags per pallet.

3. Estimating/Yield

Wedjrok Grout yields 0.45 cu. ft. (0.013 cu. m) of grout per 50-lb. (22.7 Kg) bag.

4. Technical Data

a **Compressive Strength:** ASTM C 109, 2 in. (50 mm) cubes at 72°F (22°C).

Age	Strength
2 hours	2,500 psi (17 MPa)
1 day	5,000 psi (34 MPa)
7 days	7,000 psi (48 MPa)
28 days	8,000 psi (55 MPa)

b. **Final Set:** ASTM C 191, 90 minutes.

c. **Expansion:** ASTM C 157, +0.10% at 3 hours.

5. Directions for Use

a. **Preparation:** Most foundations and pedestals will need at least a minimum of surface preparation before setting of the baseplate. New foundations often have a layer of laitance from bleeding or are contaminated from construction activities. Others are too smooth to achieve good bond. Old foundations being prepared for regrouting may be soiled or oil soaked. Base concrete must be sound and clean. Chip, chisel, bushhammer, or shotblast surface down to sound concrete. Any oil soaked concrete must be removed. Blow surface clean with water and compressed air. The bonding surface must be free of any coatings, paints, sealers, or curing compounds.

b. **Bonding:** No separate bonding agent is needed. The foundation should be saturated with water before placing of grout.

c. **Baseplate:** Steel baseplates should be checked for cleanliness before installation over anchor bolts. Remove any oil, rust, or dirt. Install plate over bolts and set to proper elevation on shim packs, leveling screws, or anchor bolt nuts.

d. **Ambient Conditions:** Do not install Wedjrok Grout at temperatures below 32°F (0°C). Make sure foundation and baseplate are at these temperatures or higher. Store dry grout and use mixing water at temperatures to get mixed grout temperature around 70°F (21°C). In extremely hot weather, store grout in a cool environment and mix with cold water.

e. **Forming:** Form around baseplate to give a water-tight containment. Leave at least a 1/2 in. (12.7 mm) gap between the form and the baseplate to allow for air relief. On one side, a head box should be constructed with the outside form at a 45 degree angle to facilitate pouring of the grout and to develop head pressure for gravity grouting.

f. **Mixing:** Small jobs can be mixed a bag at a time using a mechanical drill and Metco Jiffy mixing blade with a 5-gal. (18.9 liter) pail. Larger placements should utilize a mortar mixer and 3 to 5 bags per batch. Add the water first and follow with dry powder. Mixing water ranges and resulting consistencies are:

<i>Water Per Bag</i>	<i>Consistency</i>
<i>0.8 gal. (3.0 liter)</i>	<i>Plastic (Trowelable)</i>
<i>0.9 gal. (3.4 liter)</i>	<i>Flowable (Pourable)</i>
<i>1.0 gal. (3.8 liter) max.</i>	<i>Fluid (Self-Leveling)</i>

Mix for 2 to 3 minutes to a smooth, uniform consistency. Do not add fluidifiers or other admixtures. (Note: For deep grout pads or filler applications, up to 25 lbs. (11.3 Kg) of 3/8 in. (10 mm) pea gravel may be added per bag.)

g. **Placing:** Pour grout into head box and keep a continuous supply of grout coming into the head box. The flow of the grout under the plate will push all air ahead of the grout to provide a void-free grout pad surface. Continue pouring until form is full. Do not exceed 6 in. (152 mm) in grout pad thickness without the addition of pea gravel. (Note: On anchor bolt holes, make sure holes are clean, pre-wet, and textured. Provide a 1/2 in. (12.7 mm) annular clearance around bolts. Pour grout into hole around bolt.) In situations where packing is the best method to place material, mix Wedjrok Grout to a stiff consistency. For best results, use specially formulated Wedjrok Grout, pack type, for dry pack applications.

h. **Finishing/Curing:** After the grout has stiffened and will not sag, remove forms and cut back grout to desired look. This could be at an angle from the bottom of the baseplate, flush with the edge of the plate, or the shoulders can be left in tact. Float or brush exposed shoulders to desired texture. Cure with two coats of Seal N Kure or Metcure.

i. **Maintenance:** No standard maintenance is needed. Wedjrok Grout may be sealed or coated with standard concrete products.

6. Availability

Wedjrok Grout is normally available immediately from your local distributor or it will be shipped within 5 working days upon receipt of order. Please contact your local Metalcrete representative or call Metalcrete directly for more information.

7. Warranty

Wedjrok Grout is manufactured in strict accordance with the quality control standards of Metalcrete Industries. It is guaranteed to perform as indicated on this data sheet when applied by competent applicators.

8. Technical Service

Metalcrete technical service representatives are available to provide on-site assistance with a minimum three day notice.



Metalcrete Industries

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