



SAFETY DATA
Please Read!!!

ultimate[™] **BLOCK FILLER**

• **PRODUCT SPECIFICATIONS:**

Chemical Family: CALCIUM SULFATE HEMIHYDRATE

DOT Shipping Name: HYDRAULIC CEMENT

DOT Hazard Classification: NON-HAZARDOUS

Principle Hazardous Components: CALCIUM SILICATE, 2-4%, 10mg/M3 THRESHOLD LIMIT VALUE (ACGHI - 5mg/M3 RESPIRABLE) and CALCIUM SULFATE, 96-98% (NOT HAZARDOUS).

- **HEALTH HAZARD:** Exposure may cause irritation of eyes and skin. May develop sufficient heat to cause burns if a large mass is kept in contact with skin; inhalation of dust is considered a nuisance. According to our supplier, no chronic effects from exposure are known.
- **SAFE HANDLING PROCEDURES:** Dust goggles and gloves are suggested. Use NIOSH approved nuisance dust respirator if above TLV. Ventilation should be general mechanical, or use local exhaust if above TLV.
- **EMERGENCY FIRST AID:** **Eyes** – flood immediately with water for 15 minutes. **Skin** – remove from skin by washing; if irritation continues, see physician. **Ingestion** – may result in obstruction, contact a physician immediately.

DIRECTIONS - Please Read Completely!!!

1. **CLEAN BLOCK COMPLETELY.** We recommend a hot tank cleaning; area to be filled should be pressure cleaned with a soapy mixture and completely dried. This assures maximum adhesion.
2. **LEVEL THE BLOCK.** All four corners on each bank; do each bank separately at least one (1) hour between banks.
3. **MIXTURE.** Everyone has their own preference. We recommend adding enough water to achieve a consistency of pancake batter. MAXIMUM of 3 pints of water to 10 lbs. of filler.
4. **FILLING.** If you are filling the entire block and running no water (*for maximum strength*), then fill to the top of the block. We suggest installing the freeze plugs halfway and removing later (*for neatness*). Run bolts into all affected bolt holes to prevent accidental filling. When filling partially, fill to just below the water pump. If you prefer, fill half way up the pump and smooth the opening with your finger to prevent restriction. **BE CAREFUL** with this step as the filler does get hot as it sets!! Wear gloves. No need to vibrate block.
5. **SET TIME.** **Initial Set** = 20 minutes / **Final Set** = 90 minutes. So be prepared and work quickly.
6. **BORING.** Perform all boring and other machining after the block has been filled and fully hardened. Allow at least 24 hours; 7 days assures maximum cure.

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