

# PARSON RPM

## RAPID SETTING, FIBER REINFORCED CALCIUM ALUMINATE CEMENT

**DESCRIPTION:** PARSON RPM is a rapid setting, fiber reinforced Calcium Aluminate cement patching material that is sulfate resistant and may be used to repair manhole inverts and voids or cracks.

### PHYSICAL PROPERTIES:

Compressive Strength	ASTM C109	1 day >4000 psi 28 days >7000 psi
Flexural Strength	ASTM C348	1 day >1025 psi 28 days >1400 psi
Set Time	ASTM C191	10-20 minutes
Tensile Strength	ASTM C190	1 day >590 psi 28 days >800 psi
Bond	ASTM C321 ASTM C882	>160 psi >1600 psi
Shrinkage	ASTM C596	0.0%
Freeze/Thaw	ASTM C666	100 cycles, no damage

**SURFACE PREPARATION:** All surfaces must be clean and sound before placing PARSON RPM. When repairing inverts, all incoming flow must be stopped for a minimum of 45 minutes. Completely clean the area to be repaired with a minimum 3500 psi water blast. Any bond inhibitors such as oil or grease must be removed in a similar manner. The substrate should be saturated surface dry (SSD).

**MIXING:** Remove a small amount of cement from the original pail and place in small mixing container. Add clean, potable water to the PARSON RPM until a trowelable consistency is achieved (1 pint water per 5 lbs. powder). Do not mix more material than can be placed in 10 minutes. Do not add any other cements or aggregates to PARSON RPM. Do not retemper material.

**APPLICATION:** Apply only to a clean, sound and properly prepared substrate. The surface should be damp (SSD) and the PARSON RPM should be placed immediately after mixing. Place PARSON RPM into areas to be repaired with trowel or gloved hand. For manhole inverts, place approximately 1/2" of material and smooth with a steel trowel.

**PRECAUTIONS:** The setting time of PARSON RPM will vary according to ambient and surface temperatures. To hasten set time, use clean heated mixing water. Cool water or ice can be used to prevent extremely rapid set. PARSON RPM will reach initial set in about 30 minutes at 70°F (21°C). Under normal conditions, no special curing is required. Wear protective glasses and rubber gloves. If product is splashed into eyes, wash immediately with clean water and consult a physician. Refer to SDS for additional information.

**STORAGE:** Shelf life is 2 years when kept dry, stored at 50-80°F with the container tightly sealed.

**PACKAGING:** Available in 5 gallon pails containing 50 lbs. of material.

**COVERAGE:** Approximately 17 cu. inches per lb. (50 lbs. = 850 cu. inches)



### ADVANTAGES

- Simple to use – Just add clean, potable water
- Non-shrink
- Excellent freeze – thaw resistance
- High early strength
- Full set in approximately 30 minutes
- High Elongation
- Excellent Flexibility
- Easy to use

**PARSON**  
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