



RENO REFRACTORIES, INC

## Reno ASAP Cast 75 ABR

### TECHNICAL DATA SHEET

**Reno ASAP Cast 75 ABR** is a 3200°F (1760°C) high strength, low cement, hydraulically bonded castable that provides superior abrasion resistance and extraordinary strength. **Reno ASAP Cast 75 ABR** is installed via vibration casting and is designed for use in burner pipes, target walls and other high abrasion application when dry out the refractory linings are complicated and / or the process equipment is required back in service immediately. Use **Reno ASAP Pump 75 ABR** applications when pumping is required.

|                      |                   |                         |                          |
|----------------------|-------------------|-------------------------|--------------------------|
| Service Temperature: | 3200°F            | Dry Weight for Mixing : | 174 lbs./ft <sup>3</sup> |
|                      | 1760°C            |                         | 2,785 kg/m <sup>3</sup>  |
| Liquid Type:         | Water             | Shelf Life:             | 6 months                 |
| Liquid Quantity:     | 4 to 5% by weight |                         |                          |

#### TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

| Al <sub>2</sub> O <sub>3</sub> | SiO <sub>2</sub> | Fe <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub> | CaO | MgO | Alkalis | Other |
|--------------------------------|------------------|--------------------------------|------------------|-----|-----|---------|-------|
| 75                             | 10               | 2                              | 3                | 2   | .25 | 0.1     | 9     |

#### TYPICAL COLD PHYSICAL PROPERTIES

| Temperature °F | Cold Modulus of Rupture lb/ft <sup>2</sup> | Cold Crushing Strength lb/ft <sup>2</sup> | Density lb/ft <sup>3</sup> | Linear Change (%) | Abrasion Loss (cc) |
|----------------|--|---|----------------------------|-------------------|--------------------|
| 1500°F         | 3,500                                      | +21,000                                   | 174                        | 0 to -0.30        | < 3                |

| Fire  | Cold Modulus of Rupture MPa | Cold Crushing Strength MPa | Density kg/m <sup>3</sup> | Linear Change (%) | Abrasion Loss (cc) |
|-------|-----------------------------|----------------------------|---------------------------|-------------------|--------------------|
| 815°C | 24                          | +145                       | 2785                      | 0 to -0.30        | < 3                |

**PACKAGING: 55 lb. (25 Kg) Bags, 72 per Pallet @ 3,960 lbs (1,800 kg)**

RB

PIN#613520

7/20/2022

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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