

120-PSI Precision Mine Repair Seal
MSHA SEAL APPROVAL NUMBER 120-75.336.1.07.10.0

120-PSI Precision Mine Repair Seal (for entries up to 6 feet high and 25 feet wide)

Basic Seal Description: This Precision Mine Repair seal is designed to withstand a dynamic overpressure of 120 psi from a mine explosion. The pressure-time history curve used for the design was a 120-psi pressure instantaneously applied to the structure for a duration of 250 milliseconds. The seal is designed for a maximum seal height of 6 feet and a maximum seal width of 25 feet. Construction materials for the seal are Precision Mine Repair Welded Wire 3-D Panels, rebar and shotcrete. The seal design is detailed in a report titled "120-PSI 6 FT X 25 FT Blast Seal Design," which is dated July 10, 2007. MSHA seal approval number **120-75.336.1.07.10.0** was issued on August 22, 2007.

The seal design is certified by a registered professional engineer. A mine operator may install the Precision Mine Repair 120-psi seal provided its installation is approved in the ventilation plan and the mine operator meets the provisions specified in Section 75.336 (b).

Contact Information: For detailed information on this seal, contact Mr. Harry Riddle, Precision Mine Repair, 705 W. Main Street, Ridgway, IL 62979. The telephone number is 618-272- 7220