



INSURAL 4000 EP-1 SP

MASTIC

INSURAL™ 4000 EP1-SP mastic is a white mouldable compound used for airtight seals around reduction cell collector bars. The mastic eliminates air ingress oxidation on the collector bar and cathode. INSURAL 4000 EP-1 SP is also used for compressible gaskets in furnace expansion joints, and as an external surface insulating layer on boilers or furnaces.

BENEFITS

- Displacement pump installation
- Low shrinkage ensures an air tight seal at temperatures up to 1250°C (2282°F)
- No alumino-silicate fibers
- Excellent adhesion to refractory brickwork

PHYSICAL PROPERTIES

Property	Value
Color	Tope
Wet Density	1.74 g/cm ³ (108 lb/ft ³)
Fired Density at 110°C	1.18 g/cm ³ (74 lb/ft ³)
Solids Content	68%
Cone Penetration (ASTM D17-02)	15.8 mm (0.6 in)
Bonding Strength (ASTM C198-02)	0.18 MPa (26.5 psi)

USE INSTRUCTIONS

1. Apply INSURAL 4000 EP1-SP mastic with a displacement pump or by hand or trowel.
2. Apply compression to the mastic to form a seal.
3. Dry INSURAL 4000 EP1-SP at 100–120°C (212–248°F) to remove seal moisture. After it is dry, the seal can be fired at temperatures up to 1250°C (2282°F).
4. Allow the mastic to air dry when coating boilers or furnaces. The moisture will evaporate and be replaced by a solid insulating layer.

AVAILABILITY

10 kg (22 lb) plastic pail with a resealable lid.

STORAGE

Shelf life of twelve months in the original, unopened

INSURAL™ is a trademark of the Vesuvius Group of companies, registered in certain countries, and is licensed to Pyrotek for use within casthouses.

