



EPN-101

EPN-101 is a solvent free, chemically resistant, two-part bulk epoxy filler used to fill and transition surface irregularities including pits, voids, corrosion defects, dents, leak repair "stopgaps", etc. Its high-build capability allows technicians to transition aggressive changes in geometry without multiple lifts. Once cured, EPN-101 is machinable.

Applications

- Any metal surface defect containing pits, voids, corrosion, etc.
- Used in conjunction with patches, plugs and other leak repair techniques
- Used to transition aggressive changes in geometry or large defects prior to installing ECR Systems

Storage

Store indoors in cool, dry, ventilated storage at temperatures below 35°C (95°F) in original, unopened containers. Minimum storage temperature 15.5°C (60°F)

Limitations

- Epoxy application temperature: minimum of 5°C (40°F) or less than 3°C (37°F) above dew point
- Base component should be warmed to 15.5°C to 25°C (60 to 77°F) before mixing
- Over-coating time should not exceed 3 hours
- Suitable for long-term immersion at temperatures up to 70°C (158°F) and intermittent contact with pressurized steam up to 120°C (248°F)
- Resistant to dry heat in excess of 200°C (392°F) dependent on load

BENEFITS:

- High-build capability without slumping
- Can be over-coated as soon as it is dry to the touch
- Resistant to a wide variety of inorganic acids, alkalis, salts and organic media
- Machinable once cured



MATERIAL PROPERTIES

TEST	RESULT
Hardness, Rockwell R	100
Hardness, Shore D	90
Compressive Strength @ 75°F (24°C)	19,400 psi (133.8 MPa)
Compression Modulus @ 75°F (24°C)	511 ksi (3,524 MPa)
Tensile Shear Adhesion	2,630 psi (18.2 MPa)
Flexural Strength	10,000 psi (68.9 MPa)
Corrosion Resistance	5,000 hours
Glass Transition Temperature (T _g) With 248°F (160°C) Cure	240°F (116°C)
Heat Distortion Temperature With 68°F (20°C) Cure	136°F (58°C)
Heat Distortion Temperature With 212°F (100°C) Cure	208°F (98°C)

Warranty: CSNRI routinely implements product improvements. Please contact your local distributor or office for the most current product specifications. CSNRI warrants the quality of this product when used according to directions.



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