



## Epifill 240S

### Technical Data Sheet

#### General Description:

Epifill 240S is a specially formulated crumb rubber and resin compound that generates a tough and resilient material. Its excellent electrical resistivity makes it a prime candidate for applications requiring electrical insulation such as railroad crossings. It has excellent adhesion characteristics and will bond to virtually any substrate including damp substrates. It serves as an excellent and inexpensive filling compound for internal and external applications requiring a large volume of flexible fill. It is packaged in pre-weighed easy to use kits.

#### Handling:

Pour the contents of the "A" component pail into the large "B" component pail and mix thoroughly using a slow speed drill powered mixer, be sure to scrape all sides and bottom. Approximate mix time is 3 to 4 minutes. Pour the mixed binder and a 50 pound bag of granulated rubber into a paddle type mortar mixer and mix until all the rubber is thoroughly wetted. Note: each kit makes 1.5 ft<sup>3</sup> of fill, the typical mortar mixer is 6 ft<sup>3</sup> and will require four kits to load fully. After mixing pour into the area requiring the fill, screed, and then tamp into place. Do not place Epifill 240S more than 6" deep in any area in one application, if greater thickness is required use two pours.

#### Application temperature:

For best results install when temperatures are above 65°F. Do not install at temperatures below 40°F.

#### Cure time:

Epifill 240S will be cured enough for light foot traffic or second application after 24 to 48 hours dependent upon temperature. It should be allowed to cure for 7 to 10 days prior to exposure to heavy traffic.

#### Cured state physical properties of binder only:

Tensile strength, psi:	308
Tensile modulus, x10 <sup>3</sup> psi:	0.36
Tensile elongation at break %:	121
Notched Izod impact, lb/in:	10.7
Hardness shore A:	80
Bond strength to concrete:	>308
Bond strength to steel:	>308
Volume resistivity Ohm-cm:	1.0 x 10 <sup>16</sup>

#### Typical properties of binder only:

Mix ratio by volume:	1 to 2
Viscosity of resin at 25°C, cps:	10
Viscosity of hardener at 25°C cps:	12,000
Mixed viscosity at 25°C cps:	4,500
Density of resin lb/gal at 25°C:	9.44
Density of hardener lb/gal at 25°C:	8.1
Pot Life, 1 quart at 25°C, hours:	3
Full cure, hours:	24
Density lb/gal:	8
VOC:	0
Color:	Amber

#### Packaging:

Epifill 240S is packaged in 1.5 ft<sup>3</sup> kits. Each kit consists of a 2 gallon mix pail containing the "A" component and a 5 gallon pail containing the "B" component, and a 50 pound bag of recycled granulated rubber.

#### Safety:

Prior to use read and understand the MSDS. The materials can cause allergic reactions in certain individuals. Ensure adequate ventilation and wear safety glasses, gloves and the appropriate clothing during use.

#### Storage:

Epifill 240S "A" and "B" components should be kept in their original containers and stored in a cool dry place. The components are packaged in nitrogen purged containers and have a minimum shelf life of 9 months if left in their original unopened containers. These resins are stable at room temperature, however, they may become darker in color with exposure to the atmosphere. The "B" component will absorb moisture which may affect viscosity or create foaming when reacted with the "A" component.

#### Warranty:

We warrant our materials to be of good quality and will replace any material proved defective. We believe the technical data is accurate. We cannot guarantee final results because of the many possible variations in field conditions and application procedures.