

Chesterton ARC 5ES Rapid Repair Stick

Category : Polymer , Thermoset , Epoxy

Material Notes:

Description: ARC 5ES is specifically formulated for quick reliable repairs. Its "stick" design combines the performance of a two component system with the convenience of a single component. The ARC 5ES is kneaded by hand to mix the components, which are then simply applied to the surface to be repaired. The 5ES hardens in 5-7 minutes and cures to full strength in 30 minutes. Its putty like consistency and moisture insensitive chemistry resist washout when repairing leaks. Cures under water, bonds to wet surfaces, 100% solids, non-shrinking.

Benefits: Once cured, seals 3 mm (1/8") leaks up to seven atmospheres (100 psi). Putty like viscosity resist washout when sealing leaks Bonds and cures under water Tough resin structure resists thermal mechanical shock Labor and down time are reduced due to ease of use and rapid curing Convenient packaging is easily carried in pocket or tool box Color change verifies complete mix Cures down to 4°C (40°F) Benchmark tested to be the best available technology for leak repairs ARC 5ES is certified by NSF to NSF/ANSI Standard 61.

Suggested Uses: Stop Leaks: Pipes Air Ducts Fiberglass Conduits Radiators Valves Pumps Pools Repair: Cracked Battery Casings Lavatory Fixtures Cracked Tile & Marble Fasten or Adhere: Signs Temporary Fixtures Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-ARC-5ES-Rapid-Repair-Stick.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 2.20 g/cc | 0.0795 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|------------------------|----------|----------|--------------------------|
| Hardness, Shore D | 80 | 80 | |
| Compressive Strength | 27.6 MPa | 4000 psi | ASTM D695 |
| Adhesive Bond Strength | 11.7 MPa | 1700 psi | Unclean; ASTM D1002 |
| | 15.2 MPa | 2200 psi | SSPC SP3-Wet; ASTM D1002 |
| | 29.0 MPa | 4200 psi | SSPC SP3-Dry; ASTM D1002 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|----------|
| Maximum Service Temperature, Air | 54.0 °C | 129 °F | Wet |
| | 121 °C | 250 °F | Dry |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|-----------|-----------|
| Dielectric Strength | 11.8 kV/mm | 300 kV/in | ASTM D149 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------|------------|--------------------------|
| Cure Time | 9.00 min | 0.150 hour | Cure Time to 90% Shore D |

| Processing Properties | Metric ^{min} | English ^{hour} | Comments |
|-----------------------|-----------------------|-------------------------|---------------|
| | @Temperature 32.0 °C | @Temperature 89.6 °F | Initial Set |
| | 15.0 min | 0.250 hour | Initial Set |
| | @Temperature 16.0 °C | @Temperature 60.8 °F | |
| | 19.8 min | 0.330 hour | Initial Set |
| | @Temperature 4.00 °C | @Temperature 39.2 °F | |
| | 30.0 min | 0.500 hour | Full Chemical |
| | @Temperature 32.0 °C | @Temperature 89.6 °F | |
| | 45.0 min | 0.750 hour | Full Chemical |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |
| | 60.0 min | 1.00 hour | Full Chemical |
| | @Temperature 16.0 °C | @Temperature 60.8 °F | |
| | 75.0 min | 1.25 hour | Full Chemical |
| | @Temperature 4.00 °C | @Temperature 39.2 °F | |
| | 100 min | 1.67 hour | Initial Set |
| | @Temperature 25.0 °C | @Temperature 77.0 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color | Black | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China