



420 N. Roosevelt Ave. • Chandler AZ 85226
 1-800-528-8242 • (602) 276-0406 • FAX (480) 961-0513
 www.crafco.com

PRODUCT DATA SHEET

TECHCRETE

Part Number 34952 (Type R), 34953 (Type TBR)

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READ BEFORE USING THIS PRODUCT

GENERAL TechCrete is a hot-applied polymer modified resin based flexible concrete repair material. used to repair cracks, spalls, pop-outs, failed joints and most types of defects in concrete surfaces. TechCrete is a gray color, similar to surfaces it is applied to, and aesthetically suitable in all concrete pavements. Techcrete is used in highway, street, road, parking lot, bridge decks, airport taxiways and runways, and other concrete pavement surfaces. The unique design features of TechCrete produce an impervious, impact resistant; load bearing, flexible repair that withstands vehicle traffic, aircraft movements and climatic conditions. TechCrete is supplied in powder form in meltable bags. To use, bags of TechCrete are placed in an appropriate approved heating unit (Crafco Patcher I or II), and then melted, mixed and heated to the required installation temperature. The melted material is then poured into the prepared pavement section and leveled. The repair is then covered with a surfacing aggregate. The repair is allowed to cool and solidify prior to opening to traffic. TechCrete is supplied in two types. Type R contains finer aggregate and is used for repairs up to 3/4 inch (20mm) deep, and Type TBR contains larger aggregate particles and is used for repairs from 3/4inch to 8 inches (20 to 200mm) deep. TechCrete has achieved the Crafco **CERTIFIED PERFORMANCE** designation due to its excellent performance record. VOC = 0 g/l.

SPECIFICATION CONFORMANCE Specification limits for TechCrete Type R and TBR are as follows:

| <u>Parameter</u> | <u>Type R</u> | <u>Type TBR</u> |
|---|------------------------|------------------------|
| Color | Gray | Gray |
| Form | Powder | Powder |
| Specific Gravity | 2 | 2.2 |
| Softening Point, ASTMD36 | 212°F (100°C) min. | 230°F (110C) min |
| Flow Test (5 hrs@ 140°F (60°C)) ASTMD3407/BS2499 | 3 mm max. | 3 mm max |
| Slump Test (cone) 3 hrs @ 158°F (70°C) BS3262 Part 1 | 5% max. | 5% max |
| Extension Test 1 mm/min. @ 77°F (25°C) ASTM D5329 | 750 N max. 80% min. | 650N max 50% min |
| Newton Force Extension | 3500 Newton load | 5000Newton load |
| Compression Resistance 10 mm/min. @ 73°F (23°C) | min. @ 50% compression | min. @ 25% compression |
| Wheel Tracking | | |
| @ 122°F (50°C) | 20 mm specimen | 40 mm specimen |
| mm/hr, BS598-110:98 | 3 mm/hr max. | 3 mm/hr max |
| Max rut depth | 5 mm max. | 5 mm max |
| Binder Extension Test, 1 mm/min. (5 cycles) @ 72°F (22°C) ASTM D5329 | Single Extension | Single Extension |
| Newton force | 400N max | 400N max |
| Extension | 300% min. | 300% min |
| Artificial Weathering BS3900 part F3 | 1000 hrs min. | 1000 hrs min |
| De-icer Fluid | Resistant | Resistant |
| Min. Application Temp. | 375°F (190°C) | 375°F (190C) |
| Max. Application Temp. | 428°F (220°C) | 428°F (220C) |
| Shelf Life | 2 years | 2 years |



*For details go to Crafco.com

INSTALLATION Prior to use, the user must read and follow Installation Instructions for TechCrete to verify proper product selection, heating methods, pavement preparation procedures, application geometry, usage precautions and safety procedures. These instructions are provided with each shipment.

PACKAGING TechCrete Type R is packaged in meltable bags each containing approximately 35 +/- 2 pounds (15.8 +/- 1 kg) of product. Bags are stacked and stretch wrapped on pallets containing approximately 2200 lbs (1000kg). Pallets of TechCrete are weighed and the product is sold by net weight. Pallets and unopened bags of TechCrete are weather and moisture resistant and can be stored outside for a maximum of 45 days.

WARRANTY Crafco, Inc. warrants that Crafco products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation of pavement surfaces prior to product installation are beyond our control as are the use and application of the product; therefore, Crafco shall not be responsible for improperly applied or misused sealants. Remedies against Crafco, Inc., as agreed to by Crafco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafco recommendations for sealant installation.**