

Fourthane® | Steel Line F-3802



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RECOGNITIONS

GANADOR 2013
pro|CHILE



GANADOR 2012 - 2013
**Mejor Innovación
Industrial en Chile**

**OUR MISSION IS TO PROVIDE QUALITY,
SUSTAINABLE, INNOVATIVE, AND
WORLD-CLASS PRODUCTS AND SERVICES THAT
ENSURE THE AVAILABILITY AND RELIABILITY
OF MINING AND INDUSTRIAL PRODUCTS.**

PRESENCE IN MORE THAN 40 COUNTRIES



TECHNICAL DATA SHEET

FOURTHANE STEEL®, a high-tech, multi-purpose epoxy filler reinforced with high hardness fillers, cures quickly to a material as hard as metal, which creates a permanent bond to any rigid surface for making critical repairs to machinery and precision parts.

Restores worn bearing housings and shafts; rebuilds worn rings, hydraulic cylinders, and valves; repairs equipment and parts that require finishing.

DESCRIPTION

The success of the recovery and protection of components and/or equipment with **FOURTHANE STEEL®**, will depend to a large extent on the correct preparation of the surface.

For this reason, it is important that all applications begin with a thorough surface preparation, DECAPING the surface with an electric grinder using a grinding disc (SSPC-SP-3), remove all dirt, debris, and any loose coating or surface debris with a proper mechanical technique (SSPC-SP-2), and remove any loose coating or surface debris (SSPC-SP-3). (SSPC-SP-2).

Repairs should be made as soon as possible to avoid rusting. After surface preparation, Solvent (step 1) should be applied and allowed to dry for approximately one minute.

Mixing of **FOURTHANE STEEL®**, should be done by adding the hardener to the resin. The mixing process is complete when the product has a uniform appearance.

Spread the material in a thin layer over the mixing surface to force out entrapped air. This procedure will also maximize working time, the application should be repeated in the same manner until the desired thickness is achieved.

After the repair is complete and fully cured, proceed to machining if required.



TECHNICAL DATA SHEET

PHYSICAL PROPERTIES

| | |
|-----------------------------------|----------------------------------|
| VISCOSITY OF THE MIXTURE AT 10C°. | PASTY NO-DRIP |
| COMPRESSIVE STRENGTH | (ASTM D695) 18.800 PSI |
| ADHESION (TENSILE SHEAR) | (ASTM D1002) 2000 PSI |
| FLEXURAL STRENGTH | (ASTM D790) 7700 PSI |
| HARDNESS | (ASTM D2240) 95 SHORE D |
| MIX RATIO VOLUME | 1:0,9 |
| MIX RATIO WEIGHT | 1:1 |
| OPERATING TEMPERATURE (E=1/2") | 65 C° WET - 80 C° DRY |
| WORKING TIME (A 25 C) | 15 MINUTES |
| FUNCTIONAL CURE TIME | 3 HOURS |
| SPECIFIC GRAVITY | (ASTM D792) 2.36 gr/cm3 |
| YIELD PER SET PER LB | 0,032 @ 1/4" / 49,6 pulg2 @ 1/4" |
| AVAILABLE FORMATS | 1 KG / 2,2 LB |

Note:

- Surface conditions vary with each application.
- Avoid air entrapment in FOURTHANE STEEL®,
- Smooth FOURTHANE STEEL®, with FOURTHANE EZ-FINISH to give a smooth, glossy finish.

For technical assistance contact us at support@fourthane.com

FOURTHANE LTDA. is the leading company in innovation and in the development of solutions for repair of conveyor belts and concentrator plants, with more than 25 years of presence in the Chilean market, has managed to position its products with great success and excellent results in the large national mining companies.

OUR MISSION is to provide maintenance solutions that maximize mining and industrial equipment availability.



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