



FOURTHANE STEEL

STEEL LINE F-3802

FOURTHANE®





RECOGNITIONS

GANADOR 2013
pro|CHILE
Innovative Entrepreneurship



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 45 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.

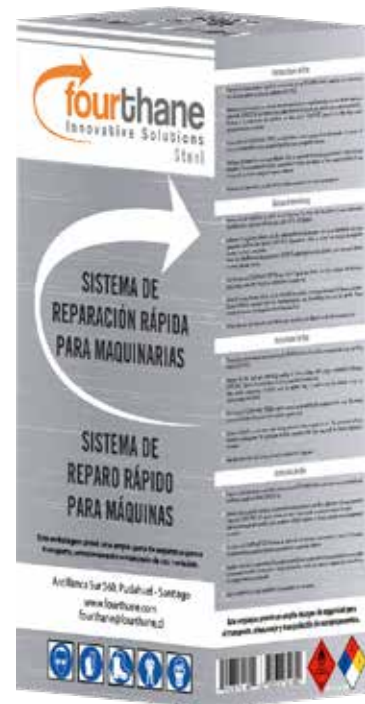
For this reason, it is important that all applications begin with a thorough surface preparation, **DECAPING** the surface with an electric grinder using a grinding disc (SSPC-SP-3), remove all dirt, debris, and any loose coating or surface debris with a proper mechanical technique (SSPC-SP-2), and remove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

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

For technical assistance contact us at support@fourthane.com



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/cm ³
YIELD PER SET PER LB	0,032 @ ¼" / 49,6 pulg ² @ ¼"
AVAILABLE FORMATS	1 KG / 2,2 LB


NOTA :


- 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.


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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