



Red LB

Fourthane®

**FOURTHANE RED LB**





## 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

Integral solution for the recovery and cold repair of rubber and conveyors.

**Fourthane RED LINE® LB** It is a polymer with high resistance to cut, impact and abrasion that allows repairs to the load covers or return of the conveyor belts or rubber linings with the following advantages

- It is specially designed and formulated to carry out on site repairs.
- It is very easy and fast to apply.
- Once applied, it only requires 30 minutes to 1 hour, to be in conditions for putting the conveyor belt or Repaired rubber lining into operation, thereby saving time and operating costs, thus repairing components in short plant stops and as a consequence an increase in the meantime between failures.

\* The start-up time of the equipment depends on the requirement to which repair will be undergoing Contact your on-site advisor for more details, or email [support@fourthane.com](mailto:support@fourthane.com)



## DESCRIPTION

Viscous liquid material applicable with a spatula, which after a short time reaches physical properties regarding abrasion and impacts similar to those of the rubber used in the manufacture of conveyor belts.

## TECHNICAL DATA SHEET

**Fourthane RED LINE® LB**, comes in a Kit format that includes:

- |                      |  |
|----------------------|--|
| a) Fourthane® Resin. | e) Latex gloves  |
| b) Catalyst.         | f) Brush for applying the cleaning solvent and primer. |
| c) Primer.           | g) Spatula for applying the product.                   |
| d) Cleaning Agent.   | h) Paddle to homogenize the resin / catalyst mixture.  |

### ¿How to use **Fourthane RED LINE® LB** ?

Preparation of surface to be repaired:

- Limit the damage to be repaired.
- Scrape the rubber surface with a straight or flexible emery board using a fine wire rotating brush of 100 mm in diameter, taking special care not to degrade or burn the area to be repaired avoiding the generation of gray smoke when scraping.
- Remove the rubber chip from the area to be repaired with a synthetic bristle brush.
- Clean the area to be repaired with the cleaning agent and wait for it to be completely dry without touching with the fingertips.
- Apply the primer on the surface to be repaired and wait for the surface to be completely dry without touch with the fingertips.
- Mix the resin with the catalyst for no more than 1 minute with the plastic trowel contained in the box of the Fourthane kit until a homogeneous solution is achieved and no traces of catalyst are detected.
- Apply the product on the surface to be repaired and distribute the product with the spatula, achieving the desired thickness obtaining a homogeneous finish.
- Wait for the product to polymerize between 30 minutes and 1 hour, depending on the temperature environment, before putting the repair into operation.

This product complies with the international standards OSHA - NIOSH - ACGIH -NR15 - RES295 / and DS 594 of Chile

# TECHNICAL DATA SHEET

## PHYSICAL PROPERTIES

HARDNESS	85 SHORE A	ASTM D2240
MODULUS 100% PSI	1100	ASTM D412
MODULUS 300% PSI	1650	ASTM D412
TENSILE STRENGTH PSI	6050	ASTM D412
ELONGATION %	480	ASTM D412
REBOUND %	51	DIN 53512
ABRASION RESISTANCE (DIN)	< 50mm3	DIN 53516

NOTE: Results obtained in laboratories. When applied in the field these properties could vary.

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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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