Chemlok® CB102CS Adhesion Enhancer/ Surface Modifier

Technical Data Sheet

Chemlok® CB102CS adhesion enhancer/surface modifier is a VOC-exempt, HAPs-compliant, solvent-based surface treatment for use on various vulcanized and thermoplastic polymeric materials. Chemlok CB102CS adhesion enhancer/surface modifier chemically alters the surface of the rubber, making it more receptive to bonding.

Chemlok CB102CS adhesion enhancer/surface modifier is used in conjunction with a broad range of LORD adhesives, including epoxy and urethane adhesives, for bonding cured rubber.

Features and Benefits:

Versatile – functions as a cleaner and surface conditioner; treats a wide variety of elastomer functional materials.

Environmentally Preferred – VOC exempt; HAPs compliant (0 lb HAP/gal solid).

Easy to Apply – applies easily by wipe, brush, dip or flood methods.

Convenient – requires no mixing.

Improved Adhesion – improves adhesion to cast urethanes and cured rubber.

Fast Drying – adhesion enhancer/surface modifier flashes off within five minutes or less.

Environmentally Resistant – promotes increased environmental resistance by allowing the treated surface to be more easily wet.

Elastomers:

- Natural Rubber (NR)
- Polyisoprene (IR)
- Styrene-butadiene (SBR)
- Polybutadiene (BR)
- Nitrile (NBR)
- Styrene Isoprene Rubber (SIR)
- Butyl (IIR)
- EPDM Polymers
- Neoprene
- Polyurethane (AU)
- Polyvinyl Chloride (PCV)

Application:

Surface Preparation – Remove contaminants from rubber surface using a solvent wipe.

For further detailed information on surface preparation of specific substrates, refer to Chemlok Adhesives application guide.

Applying – Apply adhesion enhancer/surface modifier by wipe (preferred method), brush, dip or flood methods. Spray application is not recommended due to the reactivity of the material.

The treatment is complete after the solvent flashes off (<5 minutes). Rinsing is not necessary. The best bonds are achieved by assembling parts shortly after the solvent has flashed off. However, effective bonds have been obtained on parts stored under controlled conditions. Surfaces not bonded within 24 hours of application should be retreated with Chemlok CB102CS adhesion enhancer/surface modifier prior to use.

Typical Properties*

Appearance	Clear to Cloudy Liquid
Density kg/m^3 (lb/gal)	 860 (7.17)
Solids Content by Weight, %	2.0
Flash Point (Seta), °C (°F)	3 (39)
Solvents	T-Butyl Acetate

*Data is typical and not to be used for specification purposes.

Cleanup – Remove white residues from treated surfaces with a solvent wipe. Do not use detergent. In the event of a spill, use large quantities of water to flush the area.

Shelf Life/Storage

Shelf life is three months from date of shipment when stored by the recipient at 21-27°C (70-80°F) in original, unopened container.

Avoid storage in lit areas. Store material in original container or UV-filtering plastic or glass container. Do not store in metal containers. Store Chemlok CB102CS adhesion enhancer/surface modifier in a cool, dark area away from contaminants. Do not contaminate with water or alcohol.

Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

For industrial/commercial use only. Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center.

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