

Technical Datasheet

Bostik, Inc.



ISOSET™ CX 47 Crosslinking Agent

Description ISOSET CX 47 crosslinking agent (hardener) when used in combination with ISOSET WD resins provides an ambient-temperature-cured bond that is resistant to elevated temperatures, moisture, chemicals and solvents. When the crosslinking agent is dispersed in the base emulsion, a protective agent in the crosslinker acts as a barrier between the crosslinker and the functional groups of the base emulsion. When the mixed adhesive is applied, water and the protective agent migrate from the glue line, and the crosslinker is free to react with the functional groups of the base polymer and also with some substrates.

Typical Resin Properties

Appearance	Black Fluid
Viscosity, Brookfield, cps, Spindle No. 2 @ 60 rpm, 25°C (77°F)	140 – 250
Specific Gravity, 25°C (77°F)	1.225 – 1.250
Flash Point, °F (Seta Flash)	>200
Pounds per Gallon @ 25°C (77°F)	10.2 – 10.4

Physical properties are values, based on material tested in our laboratories, but are subject to a standard deviation from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot.

Mixing Instructions ISOSET CX 47 crosslinking agents should be used in the range of 10 to 20 parts per 100 parts of emulsion by weight, depending on durability required. Agitate the emulsion with a mechanical stirrer and gradually add the measured amount of crosslinker to the emulsion. Do not allow crosslinker to "puddle" on the emulsion. Use clean containers for mixing; avoid contamination with other resins, catalysts, ammonia, etc. A slight "rising" or increase in volume of the mixed adhesive, when allowed to stand, is normal. When using a 5 gallon container for mixing, a mechanical agitator with an 8" diameter propeller rotated at a speed of approximately 400 rpm yields good results. Mix until uniform consistency appears, approximately three minutes. High agitation speeds or prolonged mixing may shorten the pot life.

Technical Datasheet

Bostik, Inc.



ISOSET™ CX 47 Crosslinking Agent

Handling	<p>ISOSET CX 47 crosslinking agent contains ingredients which could be harmful if mishandled. Inhalation of vapors, mists or aerosols, contact with skin and contact with eyes should be avoided. Appropriate protective equipment and clothing should be worn at all times when handling this product. For important health, safety and handling information, consult Bostik's Safety Data Sheet before using this product. Our Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Bostik products in your facility.</p>
Clean Up	<p>When ISOSET adhesive is liquid, it can be cleaned up easily with water. Warm water and the use of detergent enhance clean up. The crosslinker itself can be cleaned with aromatic solvents such as toluene and ketones such as MEK.</p>
Packaging	<p>55 gallon (208 liters) steel drums 5 gallon (19 liters) pails, 330 gallon totes or 45,000 lb tankwagons.</p>
Recommended Storage	<p>When stored at temperatures between 45°F and 75°F (7°C and 24°C), the shelf life of this crosslinking agent is a minimum of 12 months. Storing at higher temperatures decreases shelf life. Keep away from heat and direct sunlight. Keep containers closed to prevent contamination. The crosslinker is deactivated by moisture, therefore keep containers closed tightly when in use. Once opened use as soon as possible. Desiccant cartridges or nitrogen blankets are used to avoid moisture contamination.</p>
DOT Label Requirements	<p>None</p>
Notice	<p>All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which Bostik, Inc. assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.</p> <p>Since the user's product formulations, specific use applications and conditions of use are beyond the control of Bostik. Bostik makes no warranty or representation regarding the results which may</p>

Technical Datasheet

Bostik, Inc.



ISOSET™ CX 47 Crosslinking Agent

be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

Bostik requests that the user reads, understands and complies with the information contained herein and the current Safety Data Sheet.