

# STARGLUE 81-10®

(Water & Heat Resistance CR Based Duct Liner Adhesive)

## Description

**STARGLUE 81-10®** is inflammable, one component adhesive based on Poly- chloroprene with special tackyfier and additives. It is specially developed for porous and non-pores substrate in humid and hot climatic conditions. It has very good water and alkali resistance.

## Uses

STARGLUE 81-10® can be used in application where fibrous glass and other type of insulation are bonded to the interior or exterior of metal duct system.

## Advantages

- Excellent bonding to most of porous and non porous surfaces.
- Water resistant
- Excellent heat resistance
- Chemical resistance
- Suitable to middle east climatic condition
- Very easy to apply
- Economical

## Surface Preparation

The surface should be clean, dry and free from oil, grease and loose particles

## Method Of Application

Apply STARGLUE 81-10 with brush, roller or pressure feeding equipment an evenly on both surfaces, wait until solvent fully evaporated. After the evaporation of solvent in adhesive, assemble the surface by applying normal hand pressure.

In case of fibrous wool, apply STARGLUE-81-10 evenly by brush or any suitable equipment over the GI sheet and wait for 10-20 minutes before bonding the glass wool.

## Open Time

10-20 minutes depending upon applied film thickness and substrate.

## Coverage

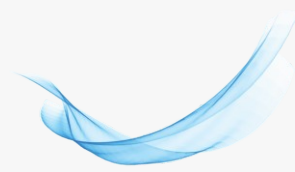
The wet coverage of STARGLUE 81-10 is 4 to 5 m<sup>2</sup> /Liter subjected to type of surface and nature of material being bonded. To get proper coverage, please always keep close the container's spout to prevent the solvent evaporation.

## Caution

Adequate ventilation must be maintained, particularly in confined spaces. Due to volatile in nature of solvent, keep away from source of ignition such as pilot lights or sparks. Prohibition of smoking must be rigidly enforced in the vicinity of use. Do not open lid of container use spout only, to prevent and minimize the evaporation.

## Storage & Shelf Life

Store under cover, protect from direct sunlight and high temperature (>25°C). Shelf life is up to 12 months in unopened container when stored as directed. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.



### Leaning

Clean all the tools with aromatic solvent.

### Packing

STARGLUE 81-10 is available in 30 liter Spouted Metal Pail.

### Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

### Inhalation

Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

### Eye Contact

Flush eyes with water for 15 minutes and call for medical help.

### Ingestion

causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

### Skin Contact

Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

### Specific Technical Data

Properties	Result
Base	Poly-Chloroprene
No. of component	One
Color	Green / Transparent Yellow and Amber Red
Solid	18%
Consistency	Flow able liquid
Viscosity	13000-16000 cps (brook field)
Density	82+-0.02
Service Temp.	-20 °C to 96 °C
Flash Point	200 °C
Water Resistance	Excellent
Chemical resistance	Good
Solubility	Xylene

**Note:** The information contained herein we believe is correct to the best of our knowledge and test. The recommendations and suggestion herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is 18 months from date of shipment to the original purchaser.

### Product Name STARGLUE 81-10

All fibrous glass insulation shall be applied with 81-10 adhesive. The Adhesive shall be applied to the duct work at a maximum coverage of 4 to 5 m<sup>2</sup> Liter, and full coverage shall be given to the metal.