

LONGYAN HUISINS CHEMICAL INTERNATIONAL LIMITED

TDS (Technical Data Sheet)

P/N: Solvent free two-component flexible Polyurea elastomer joint filler No.1
Name: Solvent free two-component flexible Polyurea elastomer joint filler

Customer: N/A
Customer P/N: N/A
Customer Desc: N/A

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Approved By: Sha LIU

Version History

Rev.	Status	Revision Description	Author/Approved	Date
A	Approved	Initial Release	Sha LIU	2017-01-18

Product Name: Solvent free two-component flexible Polyurea elastomer joint filler

Model No: ST910

Description

ST910 is a Solvent-free, two-component 100% solid content flexible polyurea elastomer product. The mixing ratio is 1:1 by volume, it can cure under the environment temperature of -28℃ to 54℃, the tack-free time is 2-5 min, it can return to site service of vehicle running and people work in half an hour after application, it is a high quality material for concrete crack and joint repair.

Product features and advantages

- (1) High solids, low VOC, safe and environmentally friendly
- (2) Easy to apply, fast cure and favourable to apply on vertical surface
- (3) Good adhesive strength with substrate, flat surface and no bubbles occur, it can apply on humid substrate High abrasion resistance and impact resistance
- (4) Excellent waterproof performance
- (5) Excellent resistance to chemical medium, it can resist certain concentration of acid, alkali, salt, oil and organic solvents
- (6) Wide application temperature, it can be applied under temperature of -50℃~120℃.

Application scope:Repair of various concrete cracks.

Products information

Item	Result
Appearance	Color adjustable
Specific gravity	1.02-1.1
Solid content (%)	≥97
Tack-Free Time (min)	2-5
Pot life (min)	0.5
Theoretical coverage	1.1kg/m ² film thickness:1mm

Physical properties

Item	Test standard	Result
Hardness (Shore A)	ASTM D-2240	75A
Elongation at Break (%)	ASTM D-412	400%
Tensile strength (MPa)	ASTM D-412	6.0MPa
Adhesive strength (MPa) concrete base	HG/T 3831-2006	≥2.5MPa

Product application temperature

Environment temperature: -28 --54℃

Relative humidity: 35-85%

Application guide

Recommended coating method: Use manual (hand-operated) cartridge guns or an ElectroFlow-type dispensing system to extrude the two-component material through static mixing tubes.

Application note

- 1.Shake cartridge prior to application and each time it is used for a minimum of 1 minute. Use static mixing tubes to extrude the material, do not allow mixed material to reside in static mixing head or mixer for more than 30 seconds or nozzle blockage may result.
- 2.Discard a small amount of product prior to application. Ratio may be slightly off when initial product travels through static mixer. Once uniform mixture is observed, product is ready for application.
- 3.It can be applied on damp substrate, the product will be even and no bubbles occur, but the adhesive strength will fall down.

Shelf life:

storage temperature: +5-35°C

shelf life: 12 months (sealed)

store in cool and ventilated place, avoid direct sunshine exposure and heat source.

package: 600ml bottles

Product health and safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.

Integrity declaration

Huisins guarantees all technical data stated in this sheet are based on laboratory tests. Actual testing methods may vary due to different circumstances. Therefore please test and verify its applicability. Huisins does not take any other responsibilities except the product quality and reserve the right of any modifications on the listed data without prior notice.