



Essentials for Adventure

Seam Grip® Toluene Free Data Sheet

Product group

Urethane Adhesive

Product description

Seam Grip® urethane seam sealant creates a permanent, waterproof seal on hundreds of fabrics and materials. The unique patented formula easily penetrates stitching and seals gaps, leaving a thin, clear film that prevents water migration. The resulting seal is extraordinarily flexible, elastic and resistant to temperature extremes. Seam Grip stretches over 100% with no loss of strength or adhesion. Seam Grip is also a powerful adhesive, bonding materials and repairing tears and holes. Repairs made with a single application of Seam Grip generally last the life of the item. Seam Grip is ideal for thousands of sealing, repair and adhesion applications and is especially well suited to harsh environments. Seam Grip is not harmed by DEET, fuels, most solvents, ultraviolet light or extremes of temperature (–40° to 200°C). Seam Grip bonds to nearly all types of fabric and many materials including nylon, polyester, cotton, rayon, vinyl, PVC, rubber, Hypalon™, neoprene, wood, brick, concrete, foams, porous plastics and many other materials.

Characteristics

Concentrated urethane rubber formula. Minimal shrinkage. Requires only one application. Thermoset rubber, unaffected by solvents or extremes of heat or cold (–40°C to +200°C).

Accelerator

Cotol 240™.

Surface condition

Clean and dry surface, using Cotol 240 or isopropyl alcohol. Non-fabric surfaces such as latex should first be keyed with sandpaper, and then cleaned.

Instructions for use

— Application

Apply using a brush, spreader or adhesive gun. (For use with adhesive guns use Cotol 240 High Viscosity (item No 12715)).

- For seams, apply a thin film to the inside of the seam by holding tube opening flat against seam. Lightly squeeze and draw tube across threads. May also be applied with brush. Use brush to even out heavily coated areas.
- For holes and tears, create backing with removable tape and fill void, overlapping void edges by 6mm. Remove tape after full cure.
- For patch application, apply Seam Grip, then apply patch over damaged area. Wipe away excess adhesive. Item may be used immediately.

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- For high wear areas apply thin layer of Seam Grip to damaged area.
- Use caution when folding items (such as tents) after sealing as fully cured Seam Grip will cling to itself. This surface tack is a temporary condition; atmospheric dust will eliminate it over time. If desired, surface tack can be removed before folding by dusting with unscented talc such as McNett ProTalc™.

Instructions for use when using Cotol 240™ as accelerator

- Mixing ratio (by volume) 1 part Cotol 240 with 3 parts Seam Grip.
 - Mix thoroughly on a non-absorbent surface.
 - Immediately apply the mixture.

Application Recommendations

- Conditions
 - Temperature 5 - 35°C.
 - Relative humidity There is no recommendation on humidity other than that you need some.
 - Higher temperatures will give faster cure times than higher humidity
- Equipment Firm brush. Plastic spreader or McNett adhesive guns, manual or pneumatic.
- Number of coats Apply in one even coat.
- Cleaning of equipment Cotol 240 or isopropyl alcohol.

- Drying Times**
 - 10 - 14hrs.. (Dependent on temperature and humidity).
 - 2 - 3 hrs. with Cotol 240 accelerator. (Dependent on temperature and humidity).

Physical & Chemical properties

PHYSICAL FORM	ODOUR	RELATIVE DENSITY	SOLUBILITY	CHEMICAL STABILITY	FLASH POINT (°C)
Hazy liquid	Characteristic of solvents	0.9 - 1.0 @ 25°C	Soluble in organic solvents	Stable under normal conditions	27 CC (Closed cup).

Refer to Safety Data Sheet for more detailed information.

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Storage

Advance contents to tube neck. Wipe clean and cap. Keep in a cool dry place or, for extended life, in freezer. For thawing or for easier flowing contents, soak tube in warm water for 15 minutes.

Packing

250ml OEM tube @ 64 per box.
28gr tube.
7gr tube.

Safety precautions

Wear protective clothing and gloves at all times. Use only in well ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.

Refer to Safety Data Sheet for more detailed information.

R & S statements

R10; R20/21; R38 & R42.
S23; S24; S36/37; S38; S45 & S60.

Refer to Safety Data Sheet for more detailed information.

Warranty

The information provided is to the best of our knowledge. However, we, do not assume legal responsibility for use or reliance there on. We disclaim all warranties expressed or implied including the fitness for a particular purpose. Data may be subject to modification without previous notice. Please check validity.

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