



STANLEY® A 821 ULTIMATE GRAB EPOXY GLUE STEEL™

DESCRIPTION

STANLEY A 821 ULTIMATE GRAB EPOXY GLUE STEEL is a high-performance, two-component, epoxy-based adhesive designed specifically for metal bonding applications. This solvent-free adhesive offers fast curing and delivers exceptional strength, ensuring a durable, long-lasting bond for metal surfaces. The unique formulation is ideal for bonding steel and other metals, providing superior adhesion that can withstand harsh conditions. Additionally, it features excellent gap-filling properties, making it perfect for rough or poorly fitting surfaces, where traditional adhesives may struggle. Its ability to fill gaps and create a strong, secure bond on uneven surfaces makes it a reliable choice for both professional and DIY metalworking projects, providing high strength and performance where it is needed most.

PRODUCT FEATURES

- High lap shear strength and durability
- Very fast cure
- Cures at room temperature
- Cures without shrinkage and crack
- Good gap filling capability
- Water and chemical resistant
- Weather and temperature resistant
- Easy to mix and dispense
- Paintable and sandable

APPLICATIONS

- Bonding for metal, concrete, wood, glass and ceramic.
- Use for repairing machinery, appliances, tools, automotive components, pipes.
- Imbedding bolts and screws into metals, concrete or stone.
- Sealing electrical components.
- Not recommended for polyethylene, polypropylene, nylon, PTFE or flexible plastics.

PRODUCT INFORMATION

PACKAGING	0,85 Fl.Oz. / 25 ml
	12 pcs in box
SHELF LIFE	21 Months
STORAGE	At cool and dry ambient. In between +45°F to +86°F. max. 60% relative humidity.
SKU	COLOR
SXAD 2057-01	Colorless

DIRECTIONS FOR USE

- **SURFACE PREPARATION:** Surfaces must be dry, clean and free from oil, wax and paint. For better bonding slightly roughen surfaces with emery cloth and abrasive paper.
- **APPLICATION METHOD / TOOLS:** Remove the end tips of the syringe. Turn syringe end up and pull plunger back slightly allowing air bubbles to rise top. Depress the double piston to dispense equal quantities of both parts into mixing tray. Use mixing stir and mix thoroughly resin and hardener for one minute until homogenous mix is obtained. Apply the mixed adhesive as quickly as possible to one of the surfaces to be bonded by carefully and assemble parts immediately together. Press the two surfaces together and hold in place for min. 20 minutes. Allow at least 4 hours before handling and for best result do not move the assembled parts until the end of cure duration. The adhesive attains its full strength after 24 hours at 68°F. Working time of the mixed adhesive depends on temperatures and the quantities mixed. Higher temperatures and larger quantities will shorten this working time. Best results are achieved between 68°F and 77°F. After use, clean the special cap and close tightly. Always store the adhesive in a vertical position.
- **CLEANING:** Clean excess uncured adhesive immediately by wiping a clean cloth. Acetone or mineral spirit may be used to assist in removal. Cured adhesive can only be removed mechanically; can be cut away with caution using a sharp blade.

LIMITATIONS

- Solvents must be always handled with care because they are hazardous and flammable.
- Follow the manufacturer's instructions and test on a small area before applying.
- Wear gloves during use



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KEY FEATURES

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TECHNICAL DATA

PARAMETER	TEST METHOD / CONDITIONS	VALUE
BASIS		Epoxy based
VOC CONTENT	% (by weight) (Resin and Hardener)	0
MIX RATIO	by volume	1:1
MIXED DENSITY		9,6 lb/gal
DENSITY- RESIN	ISO 1183-1	9,7 (lbs. per gallon)
DENSITY- HARDENER		9,4 (lbs. per gallon)
SET TIME	73°F	4-5 min
HANDLING TIME	73°F	20 min
FULL CURE TIME	73°F	24 hrs.
HARDNESS SHORE D	After 7 days	80±2
VISCOSITY-RESIN	ASTM D1084 (cps)(77°F)	12,000-13,000 cps
VISCOSITY-HARDEER		10,000-11,000 cps
TEMPERATURE RESISTANCE	Ambient and surface	Between -9,4°F and +140°F
APPLICATION TEMPERATURE	Ambient and surface	Between +41°F and +77°F

SAFETY

Ensure good ventilation of the workstation. Wear personal protective equipment. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions, or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

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BEST TO USE WITH

	SKU NUMBER	PRODUCT NAME