

# STANLEY® A 770 HEAVY DUTY ULTIMATE CONSTRUCTION ADHESIVE™



## DESCRIPTION

STANLEY A 770 HEAVY DUTY ULTIMATE CONSTRUCTION ADHESIVE is a high-quality, one-component, solvent-free adhesive formulated with advanced hybrid polymer technology. Designed for superior initial tack and grab, it bonds a wide range of heavy building materials without the need for secondary support, nails, screws, or clamps in most applications.

Curing under the influence of humidity, STANLEY A 770 forms a durable, odorless, 100% waterproof elastic rubber with exceptional green strength, making it suitable for both interior and exterior use, even on damp or wet surfaces.

This versatile adhesive provides strong adhesion to a variety of common building materials, including stone, concrete, glass, mirrors, plasterboard, polyurethane, hard plastics, enamel, ceramics, metals (such as tin, copper, lead, zinc, and aluminum), alloys, stainless steel, HPL, cement fiber panels, and wood.

## PRODUCT FEATURES

- Immediate high initial tack with extreme green strength
- Suitable for both interior and exterior applications
- Resistant to humidity, water, and weather conditions
- No mechanical support required during curing.
- Free of solvents, phthalates, silicones, or isocyanates
- Low VOC, odor free. Permanently elastic. High UV resistance
- Paintable with latex based paints. No shrinkage and bubble free
- Adheres perfectly without primer on most surfaces (preliminary test recommended)

## APPLICATIONS

- Wall cladding elements and ceiling panels
- Sound isolation panels (mineral wool, wood-wool cement & plastic foams)
- Thermal isolation panels (PUR, PIR, PS)
- Casings and frames in building construction
- Wooden and plastic laths, ornaments, and frames
- Door Sills, windowsills, skirting boards, and cover plates
- Complete construction elements (such as roofing and facade elements) in frame

## PRODUCT INFORMATION

PACKAGING	Net 9.8 Fl Oz. / 290 ml plastic cartridges with attached V-nozzle
	12 pcs in box
SHELF LIFE	12 Months
STORAGE	In a cool and dry environment, between +50°F to +77°F.
COLOR	White
VOC	>27 gr/lit
COVERAGE	Reference: <a href="http://www.stanleychem.com/en/joint-sealant-calculator">www.stanleychem.com/en/joint-sealant-calculator</a>
SKU	1042033-01

## DIRECTIONS FOR USE

• **SURFACE PREPARATION:** Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Non-porous surfaces (such as aluminum, glass, etc.) must be free of any coatings and should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles or residues with a jet of compressed air, sandpaper or hard brush. Mask off joint edges with self-adhesive tape as protection from contamination.

• **PRIMING:** For major substrates STANLEY® A 770 can be used without primer. For the substrates not listed in TDS, preliminary compatibility testing is recommended.

• **BACKING MATERIAL:** Use a polyethylene bond breaker tape or backer rod to adjust the joint depth to proper width/depth ratio and to avoid three side adhesion which restrict the movement capability of the sealant. Backer rod must be at least wider 25% than the joint width.

• **APPLICATION METHOD / TOOLS:** Recommended application and surface temperatures: +41°F and +104°F. Cut nozzle to obtain desired bead size. Apply the sealant as evenly as possible by using a professional caulking gun.



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## KEY FEATURES

- HIGH INITIAL GRAB
- ALL WEATHER, ALL MATERIALS
- SUPERIOR BOND STRENGTH



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- **TOOLING AND FINISHING:** Tool the joint surface with a smoothing tool ensuring the sealant a full contact to the sides and backup material into the joint before skin formation. Remove the masking tapes immediately after smoothing over the surface of the sealant.
- **CLEANING:** Uncured product may be easily removed with damp sponge. Cured products must be removed mechanically. Hands can be cleaned with warm water and soap.

## TECHNICAL DATA

PARAMETER	TEST METHOD / CONDITIONS	VALUE
<b>UNCURED SEALANT</b>		
BASIS		Advanced Hybrid Polymer
CURING MECHANISM		Moisture Curing
SAGGING	ISO 7390	0 inch
DENSITY	ISO 1183-1	12,4 ± 0,2 (lbs. per gallon)
SKIN FORMATION TIME	Internal (73°F and 50% R.H)	15 - 20 min
DRYING RATE	Internal (73°F and 50% R.H)	Min. 0,14"/day
<b>CURED SEALANT</b>		
SHORE A HARDNESS	ISO 868	55±5
EFFICIENCY	9.8 Fl. Oz. / 290ml	19,7 ft
VOLUME LOSS	ISO 10563	< -3%
SHEAR STRENGTH		3121-3237 Pa.
ELONGATION AT BREAK	ISO 8339	≥%300
TENSILE STRENGTH	ISO 8339	435-500 psi
SERVICE TEMPERATURE	Ambient and surface	Between -40°F and +194°F
APPLICATION TEMPERATURE	Ambient and surface	Between +41°F and +104°F

## LIMITATIONS

- Not suitable for PE, PP, PC, PMMA, soft plastics, neoprene, and bituminous surfaces.
- Not recommended for use in expansion joints. Not suitable in combination with chlorides.
- Not recommended for continuous exposure to water.
- Not recommended for confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Protect from water, frost, and adverse air conditions in application.

## 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.

25.03.2025 rev.1

## BEST TO USE WITH

	SKU NUMBER	PRODUCT NAME
	SXAC0424-01	PRO-CG1 Pro Caulking Gun
	SXAC0426-01	Smoothing Tool Set
	SXAC0428-01	Cartridge & Nozzle Cutter