

TDS | 2043.1

NAIL GUN CONSTRUCTION ADHESIVE





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ICCONS® Nail Gun Construction Adhesive is a premium ready-to-use synthetic construction adhesive designed for high-strength bonding of a wide variety of materials. It bonds most substrates & can replace mechanical fasteners in some applications. The adhesive provides a gap-filling capability & offers a durable bond suitable for interior & exterior use.

FEATURES

- ✓ Multi-Purpose
- ✓ Mechanical Fixing Replacement
- ✓ High Bond Strength
- ✓ Internal & External
- ✓ Excellent Adhesion



TYPICAL APPLICATIONS

- All purpose bonding in construction & DIY
- Alternative to mechanical fasteners

SUBSTRATE

- Bonds to various porous & non-porous surfaces:
- Wood
 - Concrete
 - Brick
 - Particle board
 - Glass
 - Copper
 - Aluminium
 - Steel
 - Most plastics

ADVANTAGES

- Excellent bond strength
- Can replace mechanical fasteners
- High initial tack
- Suitable for uneven surfaces

PRODUCT CHARACTERISTICS

COLOUR	Beige
APPEARANCE	Homogeneous liquid
SERVICE TEMPERATURE	-15°C to +150°C
PRODUCT CODE	FSA-CAP300
CARTRIDGE SIZE	300mL

Part No.	Description	Colour	Qty.	Qty.
FSA-CAP300	300ml Nail Gun Construction Adhesive	Beige	12	1536



TYPICAL PROPERTIES

ITEMS	C*a/T*b/S*c/O*d	UNIT	REQUIREMENT
Appearance		/	Homogeneous liquid
Density		g/cm3	1.21±0.10
Workability, A	//Stone Plastic Board/	%	≤75
Workability, B	//Stone Plastic Board/	%	≤75
Shear Strength	6h///	MPa	≥0.5
	24h///	MPa	≥1.0
Initial Tack		g/cm3	≥25

NOTES:

*a: Conditioning, specimen is conditioned under (23±2)°C, (50±5)% relative humidity if not specified;

*b: Testing Condition, specimen is tested at (23±2) °C, (50±5)% relative humidity if not specified;

*c: Substrate

*d: Others need to be specified.

DIRECTIONS FOR USE

APPLICATION TEMPERATURE: +5°C to +45°C

Use only in well-ventilated areas. May cause an allergic skin reaction.



1. Prepare the surface by ensuring it is clean, dry, & free from dust or contaminants.
2. Cut the tip of the cartridge, pierce the inner seal (aluminum foil) & attach the nozzle.
3. Cut the nozzle at a 45° angle & insert the cartridge into a caulking gun.
4. Hold the gun at a 45° angle & apply an even bead of sealant.
5. Press together strongly & maintain pressure for 24 hours with fasteners or claming.

Note: Bond after 24 hours & full cure up to 7 days.

RESTRICTIONS FOR USE

- Do not apply to substrates with surface temperatures above +50°C or when ambient temperatures are below 5°C.
- Do not apply to surfaces that come into direct contact with food.
- Do not use for structural glazing applications.
- Not recommended for applications involving continuous water immersion.

SAFETY DIRECTIONS

Keep out of reach of children. Before operation, please carefully read the specifications of products and material, and instructions on the package of container. For more information about safety, please refer to the SDS.

SHELF LIFE

12 months when stored in original, unopened packaging. Keep out of direct sunlight & store in cool, well-ventilated environment between +5°C to +25°C.

DISCLAIMER

The details provided in this Technical Data Sheet (TDS) are based on ICCONS' knowledge at the time of publication. No warranty is given regarding specific product characteristics, and this document shall not be interpreted as forming a legally enforceable contract. It is supplied for guidance only concerning product selection, safe handling, application, storage, transportation, and disposal.

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