

Insuguard Pipe Saddles

One-piece insulated pipe supports for strut channel, clevis and structural mounting

-40 to +81 °C OPERATING TEMPERATURE -40 to 178 °F	UL CLASSIFIED UL-723 (ASTM E84); ULC-S102.2	42 mm STRUT CHANNEL Clips tool-free to 42 × 42 mm	23 PARTS IN RANGE Saddles, hangers, adaptors, covers
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DESCRIPTION

Insuguard is a one-piece, saddle-shaped support that carries an insulated pipe without crushing or tearing the insulation around it. The saddle clips tool-free onto strut channel; the Multi range takes a family of adaptors so the same saddle can be mounted to strut, steel angle, H-beam, floor or clevis hanger by swapping the clip. The non-adhesive bearing surface lets the insulation expand and contract linearly rather than being pinned at the support, which is what causes tears and displacement on conventional saddles. Manufactured by Armacell; originally a TB Concept product, acquired by Armacell Canada in 2018.

MATERIALS AND PERFORMANCE

Multi saddles (grey)	Polypropylene, 20% glass filled	Certification	UL classified, USA — UL-723 (ASTM E84) ULC listed, Canada — ULC-S102.2
Strut saddles (black)	Polypropylene copolymer	Finish	Paintable; properties preserved
Operating temperature	-40 °C to +81 °C	Bearing surface	Non-adhesive — allows linear expansion
UV resistance	UV resistant		

STEP 1 — SELECT THE SADDLE

Grey multi saddles — take an adaptor or clevis hanger		Black strut saddles — clip direct to 42 × 42 mm strut	
ASE CODE	NOMINAL INSIDE OPENING	ASE CODE	NOMINAL OPENING
AIRIM250G	64 mm	AIRI225	57 mm
AIRIM350G	89 mm	AIRI325	82 mm
AIRIM450G	114 mm	AIRI425	108 mm
AIRIM550G	140 mm	AIRI525	133 mm
AIRIM650G	165 mm	Pipe cover	
AIRIM850G	216 mm	AIRUCX25B	InsuCover, black
AIRIM1050G	266 mm	Polypropylene, UV resistant, -40 to +81 °C. Flexes to the pipe curve; ties down through matching notches in the saddle.	
AIRIM1250G	317 mm		

STEP 2 — SELECT THE FIXING

Clevis hangers — matched to a specific saddle		Adaptors — suit the whole multi saddle range	
ASE CODE	SUITS SADDLE	ASE CODE	FIXES TO
AIRIB31002	AIRIM250G · 64 mm	AIRIM42X42	42 × 42 mm strut
AIRIB31003	AIRIM350G · 89 mm	AIRIM42X20	42 × 20 mm strut
AIRIB31004	AIRIM450G · 114 mm	AIRIM258	Steel angle
AIRIB31005	AIRIM550G · 140 mm	AIRIMHBEAM	H beam
AIRIB31006	AIRIM650G · 165 mm	AIRIMCLEVIS	Clevis hanger, any multi saddle

SELECTION NOTES

- Saddle size is the opening **over the insulation**, not the pipe bore — add twice the insulation wall to the pipe outside diameter before choosing.
- Dedicated clevis hangers are stocked for the five smallest multi saddles. Above 165 mm use the universal clevis adaptor **AIRIMCLEVIS**, which suits the whole multi saddle range.
- Black strut saddles clip straight onto 42 × 42 mm strut channel and need no adaptor. Suited to horizontal pipe installation.

BEFORE YOU SPECIFY

No load rating is published. Armacell's specification sheets for Insuguard give material, temperature, UV and fire-classification data but state no working load limit or safe working load. Where a support must carry a rated load, obtain a figure from Armacell in writing rather than inferring one — nothing in this document supports a load-bearing design.

Fire classification is a surface-burning rating. UL-723 / ASTM E84 and ULC-S102.2 measure flame spread and smoke development, not structural fire resistance. Insuguard carries no AS 1530.3 rating, and the Aeroflex and Aerofix approvals do not extend to it.