

PRODUCT DATA SHEET



NITOHARD STRUCTURAL REINFORCEMENT PATCH FOR ALUMINUM SUBSTRATES

GENERAL DESCRIPTION

PE-7000AL, AS2000 & AS2000C are lightweight dual-layer products that are used to increase the bend strength of aluminum panels to prevent oil canning/palm denting and to correct subjective stiffness issues. The reinforcing characteristics are triggered by the heat from bake ovens during the e-coat/paint processes.

FEATURES

- Can be die-cut into any shape
- Self-adhering before bake
- Exhibits excellent initial adhesion to clean or oily substrates
- Patch designs to prevent sink mark after baking process

PRODUCT CONSTRUCTION



APPLICATION

- Apply in body shop before e-coat process.
- Is designed to expand and cure during typical e-coat/paint bake cycles
- Ideal solution for effectively stiffening and eliminating oil-canning of body panels, such as doors, roof panels, hoods, liftgates, fenders, quarter panels, etc.

PROPERTIES

NITOHARD Products for Aluminum Substrates			
NITOHARD Type	PE-7000AL	AS2000	AS2000C (low odor)
Polymer Base	Epoxy Based	Epoxy-Rubber based	Epoxy-Rubber based
Available Thicknesses	0.8mm - 1.6mm	0.8mm - 2.0mm	0.8mm - 2.5mm
Application	Body Shop		
Minimum Bake Conditions	160C (320F) x 30 min 180C (356F) x 15 min		
Expansion Ratio*	~150%	~200%	~200%
Shelf Life	90 days when stored within proper storage conditions (15C - 35C & 25% - 50%RH)		

*Expansion ratio varies based on customer processing conditions

Disclaimer: The technical information on this product data sheet is based on measured value obtained from laboratory tests. Actual results may vary due to differences in lab/process evaluation conditions.