

I N N O V A T I O N P R O V I D E R S
INNOVATION PROVIDERS



TOOLING SOLUTIONS



DUNA-USA MANUFACTURES A VARIETY OF LOW AND HIGH-TEMPERATURE PRODUCTS FOR THE AEROSPACE, COMPOSITE, ARCHITECTURAL, MODELING, AND DESIGN INDUSTRIES.

Our tooling solutions include products for:

- Prototyping
- Vacuum Forming
- High-Temperature Prepreg Tooling
- Composite Lay-up Tooling
- Master Plugs and Molds
- Tool Proofing/CAD Design Verification

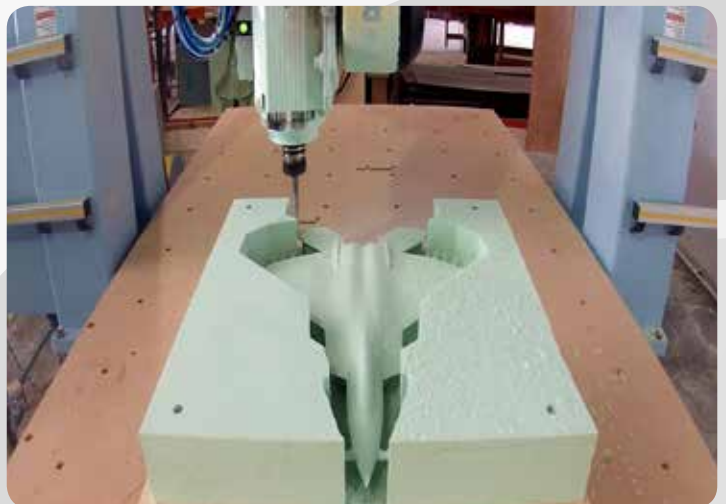


TOOLING BOARD

CORAFOAM® Series Polyurethane Tooling Boards

Easy to machine polyurethane foam for prototyping, model making, composite lay-up tooling, vacuum forming, and tool proofing applications. See back for sizing chart.

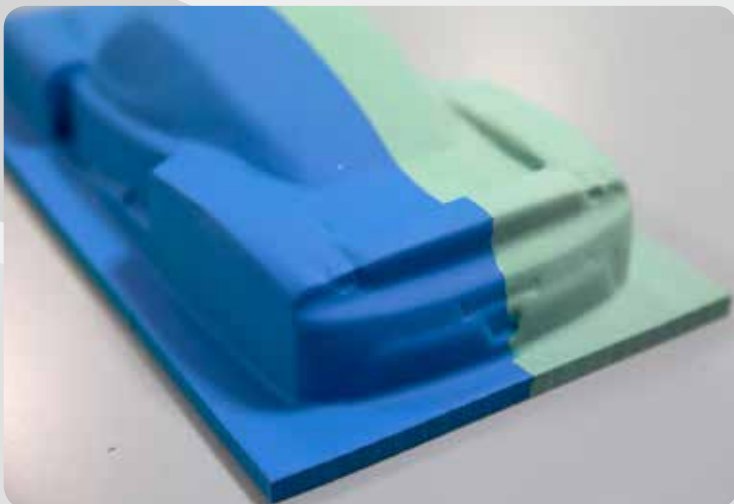
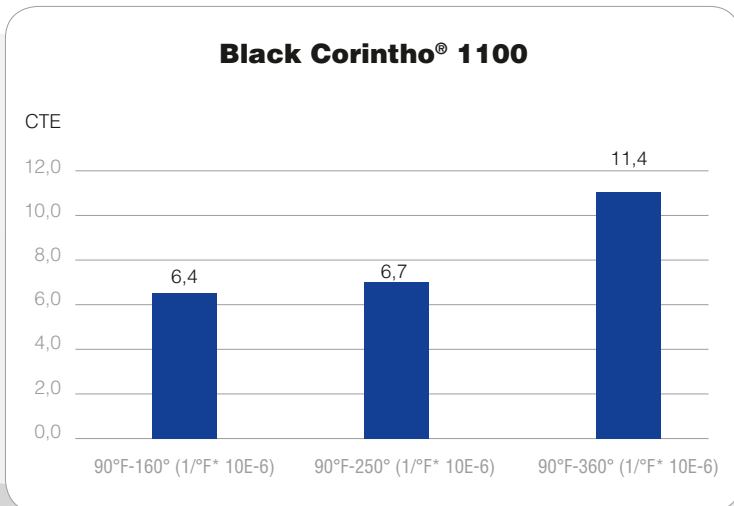
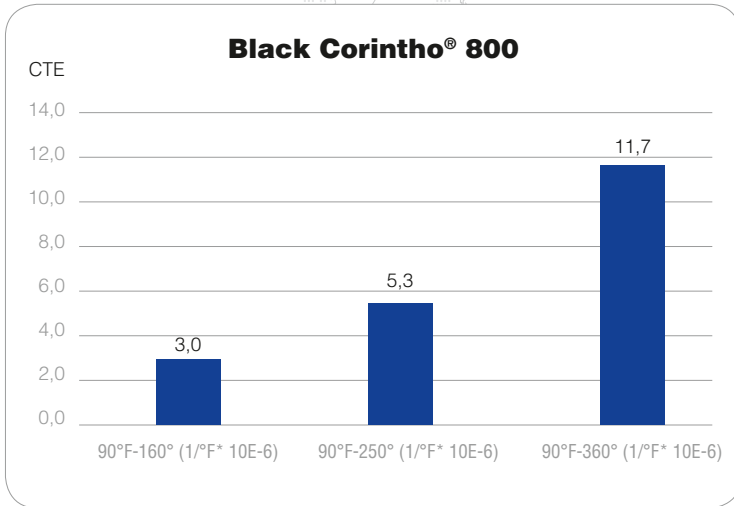
- Tightest cell structure on the market
- Densities including 4, 6, 8, 10, 15, 20, 28, and 31 lb/ft³ (see back for available sizes)
- Will produce chips instead of dust
- Grain-free consistency
- Ultra-smooth surface makes for easier sealing/finishing



CORINTHO® Series Polyurethane Tooling Boards

Our flagship line of high and low temperature boards for high-temperature curing prepregs, model making, prototyping, vacuum forming and CAD design verification. See back for sizing chart.

- **BLUE CORINTHO® 700**: 43.6 lb/ft³, can withstand up to **248°F**.
- **BLUE CORINTHO® HT 700**: 43.6 lb/ft³, can withstand up to **400°F**.
- **BLACK CORINTHO® 800**: 50 lb/ft³, Ultra-low CTE, high thermal conductivity, can withstand up to **400°F**.
- **BLACK CORINTHO® 1100**: 68 lb/ft³, Ultra-low CTE, high thermal conductivity, can withstand up to **400°F**.

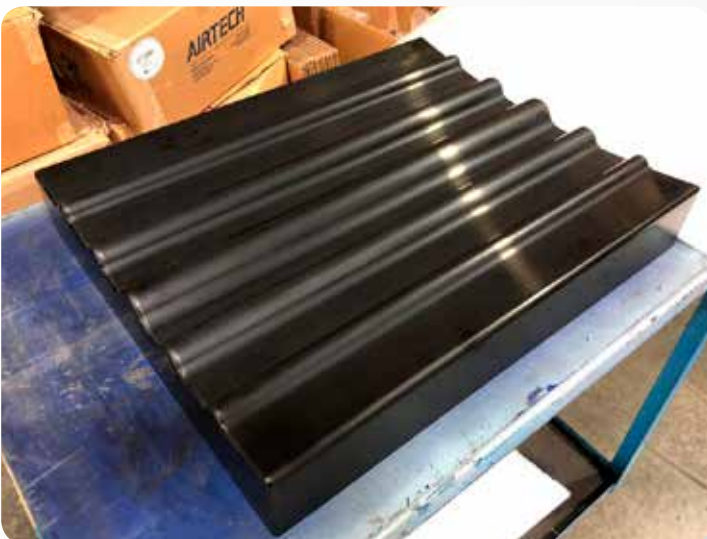


SEALER

DUNAPOX™ SEA 125 High-Temp Epoxy Sealer (400°)

High-temp sealer designed to seal polyurethane, epoxy and graphite to achieve vacuum integrity and an ultra-smooth, protective surface. Available in gallon kits.

- Can withstand up to 400°F
- Can be sprayed, brushed or rolled
- Cures to a tough, Shore D 85 protective surface
- Designed to expand and contract with the tool under temperature
- Available in both blue and black coloration



ADHESIVE

DUNABOND Line of Polyurethane Adhesives

Single-part, waterproof, flexible polyurethane adhesives designed for structural and panel bonding of polyurethane, wood, metal, PVC, concrete, and almost any material. Available in 35 oz. bottles.

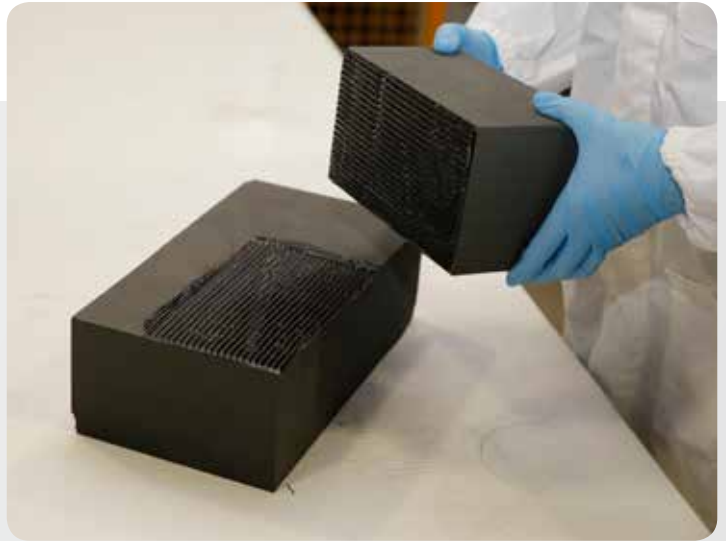
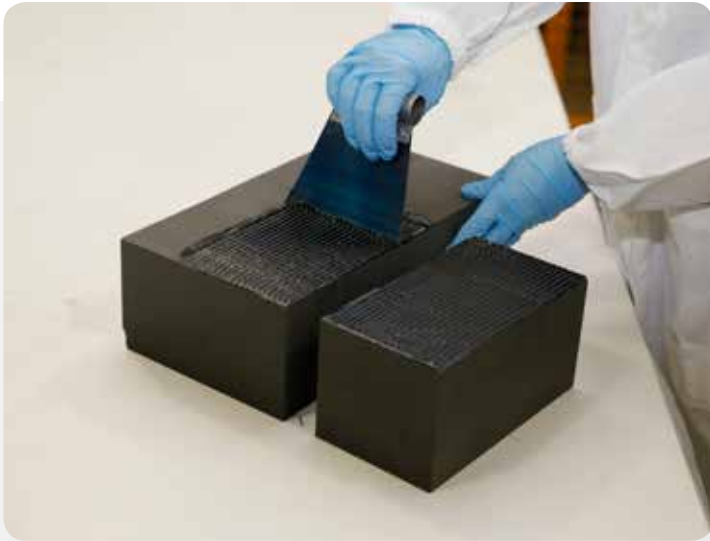
DUNABOND 3206: Working time of 15-18 minutes

DUNABOND 3140: Working time of 35-40 minutes

DUNAPOX™ Epoxy Adhesive

High-temperature epoxy adhesive for aerospace, automotive and other applications. Available in gallon kits.

DUNAPOX™ AD 135: High temperature (400°), thixotropic epoxy adhesive designed to expand and contract with the tool under temperature without cracking/degradation.



DENSITY AND SIZING CHART

Product	Density (lb/ft ³)	Sheet Size	Thickness	CTE (1/°F-10E-6)	Operating Temp. (°F)
CORAFOAM® U 40	4	48" x 96"	Up to 24"	32.77x10 ⁻⁶	-300/+175
CORAFOAM® U 60	6	48" x 96"	Up to 24"	27.75x10 ⁻⁶	-300/+175
CORAFOAM® U 80	8	48" x 96"	Up to 18"	27.75x10 ⁻⁶	-300/+175
CORAFOAM® U 100	10	48" x 96"	Up to 16"	27.75x10 ⁻⁶	-300/+175
CORAFOAM® U 150	15	48" x 96"	Up to 12"	27.75x10 ⁻⁶	-300/+175
		48" x 120"	Up to 12"		
		48" x 144"	Up to 12"		
		60" x 96"	Up to 9"		
		60" x 120"	Up to 9"		
		60" x 144"	Up to 9"		
CORAFOAM® U 200	20	48" x 96"	Up to 8"	24.98x10 ⁻⁶	-300/+175
CORAFOAM® U 280	28	48" x 96"	Up to 8"	24.98x10 ⁻⁶	-300/+175
CORAFOAM® U 310	31	48" x 96"	Up to 6"	25x10 ⁻⁶	-300/+175
BLUE CORINTHO® 700	43.6	59" x 19.68"	Up to 3.93"	27.75x10 ⁻⁶	Up to 248°F
BLUE CORINTHO® HT 700	43.6	59" x 19.68"	Up to 3.93"	22.55x10 ⁻⁶	Up to 400°F
BLACK CORINTHO® 800	50	59" x 19.68"	Up to 3.93"	3x10 ⁻⁶	Up to 400°F
BLACK CORINTHO® 1100	68	59" x 19.68"	Up to 3.93"	6x10 ⁻⁶	Up to 400°F

*CTE values are based on specific temperature windows. Please contact us for more information.

ADDITIONAL PRODUCTS

POLYISOCYANURATE FOAMS

Rigid foams for thermal insulation, known for their low thermal conductivity values and high insulation properties. The insulation properties are best utilized for cold chain applications.

- Closed cell, will not absorb water
- Used to insulate cryogenic pipelines, tanks, and pipe and flange applications

Product	Density (lb/ft ³)	Block Size	Thickness	Operating Temp. (°F)
CORAFOAM® P 20	2	48" x 36"	27"	-320/+300
CORAFOAM® P 25	2.5	48" x 36"	27"	-320/+300
CORAFOAM® P 30	3	48" x 36"	27"	-300/+258
CORAFOAM® PB 40 M1 HC	2.5	48" x 36"	27"	-310/+248
CORAFOAM® PB 45 M1 HC	2.8	48" x 36"	27"	-310/+248
CORAFOAM® PB 50 M1 HC	3	48" x 36"	27"	-310/+248
CORAFOAM® PB 55 M1 HC	3.4	48" x 36"	27"	-310/+248

*All insulation products also available in 108" length

DUNAPOL™C POURABLE FOAMS

Rigid, expanding polyurethane foams for cold shoe/pipe support, core, prop making, scenic and theming applications. Have similar machining characteristics to rigid CORAFOAM® HDU.

- Can be cut with anything that will cut wood, including hand tools
- 1:1 mix ratio
- Will produce chips instead of dust when cut with CNC router
- Non-toxic (dust mask recommended)

Product	Free Rise Density (lb/ft ³)	Applied Density (lb/ft ³)	Mix Time	Size
DUNAPOL™C 045 L	2.8	4	43 seconds	55 gal. drums, totes
DUNAPOL™C 160 L	6.9	11.2	60 seconds	55 gal. drums, totes
DUNAPOL™C 224 L	9.7	16.2	60 seconds	55 gal. drums, totes
DUNAPOL™C 320 L	15	22.5	60 seconds	55 gal. drums, totes

*All pourable products also available in custom cream time formulations.



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