

ACI's Polyurethane Specialty Systems provides a variety of two-component chemical "systems" which generally consist of an isocyanate component (MDI) and a POLYOL blend component to a broad industrial marketplace. When metered together and mixed at the appropriate ratio, the end result is a polyurethane product which is rigid in nature. ACI's Polyurethane Specialty Systems products are identified by one of the following trade names:

GRADE (PU SYSTEM)	APPLICATIONS	RATIO (pbw) Polyol + MDI	APPLIED DENSITY (Kg/m ³)	PRODUCT DESCRIPTION
ACI PAN - 40	Discontinuous Press Panel (for Profiles & Constructions)	100 : 120	38 - 43	Fully blended ACI POLYOL PAN- 40 containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PAN - 40 / CPL	Continuous Panel Lamination (for Profiles & Constructions)	100 : 120	38 - 43	Fully blended ACI POLYOL PAN- 40 / CPL containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI SPR - 35 (S)	Spray, (Summer Grade) ROOF, WALLS & CEILINGS	100 : 100	35 - 38	Fully blended ACI POLYOL SPR - 35 (S), containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI SPR - 35 (W)	Spray, (Winter Grade) ROOF, WALLS & CEILINGS	100 : 100	35 - 38	Fully blended ACI POLYOL SPR - 35 (W), containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI POU - 40	Filling cavities by injection process	100 : 120	38 - 43	Fully blended ACI POLYOL POU- 40 containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PIPE - 90	Pipe in pipe insulation by injection process	100 : 90	60 - 100	Fully blended ACI POLYOL PIPE-90 containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards ISO 3582 or ASTM 1692-74.
ACI PU - GLUE	Spray on Panel Lamination (EPS for Profiles & Constructions)	100 : 100	38 - 43	Fully blended ACI POLYOL GLUE containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PU - BLOCKS	Slabstocks / Blocks production by PU conventional mixing & Injection	100 : 120	45 - 50	Fully blended ACI POLYOL BLO containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PU - APPL	Discontinuous Press Panel (for Refrigerators & Freezers)	100 : 120	30 - 35	Fully blended ACI POLYOL APPL containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PU - FLASK	PU Injection on Water Heaters, Water Coolers & Flask insulations	100 : 120	30 - 35	Fully blended ACI POLYOL FLASK containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PU - WOOD	PU Injection on moulds, as for Wood Imitation	100 : 100	120 - 160	Fully blended ACI POLYOL WOOD containing surfactant agent, catalyst and the environmentally friendly blowing agent HCFC 141b. The foams are according both the standards DIN 4102- Class "B3" and ISO 3582.
ACI PU COAT - 2C	Two component Polyurethane Coating by Spray applications	100 : 50	Shore Hardness: 85-90	Fully Blended ACI POLYOL COAT-2C is used in a two (2) component elastomeric polyurethane coating system. It is used for coating metal, wood, concrete, fiberglass and other surfaces. Its high levels of tensile strength and abrasion resistance properties make it an ideal coating for the transportation, construction and marine industries.

Materials for POLYISOCYANURATE FOAMS (PIR), conforming Class "B1" or ASTM E-84, can be produce upon trials approval & 6 weeks delivery, upon confirmation of order.

The systems may be processed on all commercially available PU equipment, and the system is available in a number of versions, each tailored to the customer's individual requirements.