



ISO 9001: 2008 COMPANY

**TECHNICAL DATASHEET**

**A-16**

**ACRYLIC BODIED CEMENT**

**GENERAL DESCRIPTION:**

NeoSeal® 16 is a very high strength, clear, medium bodied, fast curing, solvent-type acrylic cement. Applied to cast, molded or extruded acrylics, it will affect initial bonds very quickly so some parts may be handled within a few minutes. Bond strength continues to develop very rapidly reaching a substantial level and forming strong joints within hours. Initial bond forms very quickly so some parts may be handled within a few minutes of application. Joints are water and weather resistant and will generally have similar physical and chemical properties to acrylic plastic.

**SUBSTRATES TO JOIN:**

NeoSeal® 16 is especially formulated for bonding acrylic (poly-methyl methacrylate) to itself. It can also be used for bonding styrene, butyrate, PVC, ABS and polycarbonate, as well as other plastics and porous surfaces.

**BONDING RECOMMENDATION:**

NeoSeal® 16 is recommended as an excellent general purpose, high strength acrylic cement. It is especially useful where fast cure and high strength are desired for applications such as large housings, signs, plastic letters, industrial fabrications, display items, lenses and models.

**ADHESIVE PROPERTIES AND CHARACTERISTICS @ 73°F (23°C)**

Color:	Clear	Working Time:	5 – 6 Minutes
Viscosity:	Min. 400 cps	Fixture Time:	10 Minutes
Specific Gravity:	1.10 ± 0.01	Time to Reach 80% of bond strength:	24 Hours

**TYPICAL BOND STRENGTH:**

Substrate Material	Aged Bond Strength, lbs/in <sup>2</sup> (Kg/cm <sup>2</sup> )		
	2 Hours	24 Hours	1 Week
Acrylic (cast & Extruded)	57.0 (810.5)	92.5 (1315.3)	158.3 (2251.0)
Polycarbonate	54.6 (776.4)	72.1 ( 1025.2)	120.9 (1719.2)
Polystyrene	27.9 (396.7)	65.7 (934.2)	118.2 (1680.8)

**DIRECTIONS FOR USE:**

- Parts to be joined should be clean and fit without forcing.
- Apply NeoSeal® 16 to one or both surfaces with brush, polyethylene squeeze bottle or gun.
- If cement is applied to one surface, bring the two surfaces in gentle contact for several seconds to allow the dry surfaces to be softened.
- Assemble with firm pressure while parts are still wet.
- Hold or clamp assembled parts firmly until initial set. Joint strength will increase greatly in 24 hours. Thereafter, strength will continue to increase gradually for some weeks.

**SHELF LIFE:** One year in tightly sealed containers.

**AVAILABILITY:**

This product is available in 118ml (4 oz.), 237ml (8 oz.), 473ml (16 oz.) and 946ml (32 oz.) metal can.