



# ACRY-TRON 1E1 LOW ODOR TOUGHENED ACRYLIC STRUCTURAL ADHESIVE

## PRODUCT DESCRIPTION

Acry'tron 1E1 is a 100% solid, high performance acrylic based structural adhesive with low odor and bake proof high temperature resistance. Acry'tron 1E1 has an excellent flexibility which tolerates different coefficient of thermal expansion of dissimilar substrates. Very good at heat resistance. MMA free, low hazard formula. 1E1 can be used with mixing tips or bead on bead.

## • RECOMMENDED SUBSTRATES

Steel	Polyester	Wood	Ferrite
Aluminium	Hard PVC	Glass	Acrylic
Copper	ABS	Stainless Steel	Coated Metals
STYROL	Stone	Brass	Ероху
FRP	Concrete	Nickel	Zinc
GRP	Zinc Chromate	Chrome	

#### • UNCURED PROPERTIES

Base	Acrylic	
Color	Brownish Green	
Mixing Ratio	1:1	
Viscosity	10000 cps	
Density (g/cm3)	1,1	
Flash Point (°C)	>101	
Working Time	5 min.	
Fixture Time	8 – 12 min.	
Functional Strength	2 hours	
Full Cure	18 hours	

## • CURED PROPERTIES

Hardness (Shore D)	55
Temperature Resistance (°C)	-40 to +220
Shrinkage (%)	7 - 8
Lap Shear Strength (Steel/Steel) (MPa)	28,9
Lap Shear Strength (Al/Al) (MPa)	20
Lap Shear Strength (SS/SS) (MPa)	23,5
Lap Shear Strength (Secc-P/Secc -P) (MPa)	28,5

# • STORAGE AND SHELF-LIFE

Shelf life of Acry'tron 1E1 base and activator (Parts A&B) are max. 9 months. Store between 12°C and 23°C.

Our data sheets have been compiled to the best of our knowledge. The information included in our data sheets is exclusive information for the tended user and describes characteristics, with no declaration of commitment. We recommend trials in order to confirm that our products satisfy the particular application requirements. For an additional technical consultation, please contact our RD department. Adhetron is a brand of Pulsar Chem. Industry and Trade Co. INC.



adhetron@adhetron.com

