

## ACRY-TRON 007

## TOUGHENED ACRYLIC STRUCTURAL ADHESIVE

### • PRODUCT DESCRIPTION

Acry'tron 007 is a 100% solid, high performance acrylic based structural adhesive. Acry'tron 007 has an excellent flexibility which tolerates different coefficient of thermal expansion of dissimilar substrates. Very good at heat resistance. 007 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	Epoxy
FRP	Concrete	Nickel	Zinc
GRP	Zinc Chromate	Chrome	

### • UNCURED PROPERTIES

Base	Acrylic
Color	Amber
Mixing Ratio	1:1
Viscosity	5000cps
Density (g/cm <sup>3</sup> )	1,2
Flash Point (°C)	>16
Working Time	1 min.
Fixture Time	5 – 7 min.
Functional Strength	1 hours
Full Cure	4 – 6 hours

### • CURED PROPERTIES

Hardness (Shore D)	55
Temperature Resistance (°C)	-40 to +150
TG DSC (°C)	50 to 55
Shrinkage (%)	<1
E Modul (MPa)	462
Elongation at Break (%)	4
Lap Shear Strength (Steel/Steel) (MPa)	27,5
Lap Shear Strength (Al/Al) (MPa)	22
Lap Shear Strength (SS/SS) (MPa)	21
Lap Shear Strength (Brass/Brass) (MPa)	23
Lap Shear Strength (PC/PC) (MPa)	5*
Lap Shear Strength (ABS/ABS) (MPa)	8*
Lap Shear Strength (PVC/PVC) (MPa)	8
Lap Shear Strength (FRP/FRP) (MPa)	8,5*

\*substrate failure

### • STORAGE AND SHELF-LIFE

Shelf life of Acry'tron 007 base and activator (Parts A&B) are max. 9 months.  
Store between 12°C and 23°C.

