



## ACRY-TRON SOLAR ACRYLIC BASED ODORLESS STRUCTURAL ADHESIVE

### ● PRODUCT DESCRIPTION

Acry'Tron Solar is a high performance, acrylic based, odorless structural adhesive. Resistant against high temperatures. Acry'Tron Solar's excellent flexibility allows the product to tolerate different thermal expansions of different substrates. It is specifically designed for the bonding of U-brackets to the steel constructions used during the assembly of solar panels.

### ● 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	Brownish Green
Mixing Ratio	1:1
Viscosity	7000 - 9000 cps
Density (g/cm <sup>3</sup> )	1,1
Flash Point (°C)	>101
Working Time	5 min.
Fixture Time	9 – 13 min.
Functional Strength	2 hours
Full Cure	24 hours

### ● CURED PROPERTIES

Hardness (Shore D)	55
Temperature Resistance (°C)	-40 to +200
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 Solar base and activator (Parts A&B) are max. 9 months. Store between 12°C and 23°C.

