



PROTAVIC[®] ANE 50040-R A PROTAVIC[®] ANE 50040-R B

16692-08-A
28097-A
28098-B

DEFINITION

The **PROTAVIC[®] ANE 500430-R A/B** is a REMOVABLE epoxy two component adhesive designed for silicon processing application. It has been formulated for use in processes in which adhesives must cure as quickly as possible at room temperature.

It may be applied more particularly in ingot saving applications.

PRODUCT DESCRIPTION

PROTAVIC[®] ANE 50030-R part A

Appearance	viscous liquid	
Colour	black	
Significant value	Result	Method
Cone and plate viscosity (mPas)	20000 ± 2500	NFT 51211
Other information		
Stability in original unopened packages	6 months at T ≤ + 25°C	

PROTAVIC[®] ANE 50030-R part B

Appearance	viscous liquid	
Colour	grey	
Significant value	Result	Method
Cone and plate viscosity (mPas)	25000 ± 3000	NFT 51211
Other information		
Stability in original unopened packages	6 months at T ≤ + 25°C	

PROTAVIC[®] ANE 50030-R A/B mixed product

Mix ratio	By weight	Part A/B : 1/1
	By volume	Part A/B / 1/1
Properties	Results	
Cone and plate viscosity (mPas)	About 30000	
Density	About 1.5	
Curing schedules	- 4 hours at 25°C - 5 minutes at 80°C	
Pot life* at 20 ± 2°C	10 minutes	

- : * pot life defined as time corresponding to 100% increase viscosity

APPLICATION PROPERTIES

The **PROTAVIC® ANE 50040-R A/B** has been formulated to cure at low or moderate temperature. After curing, it exhibits excellent adhesive properties. It may be easily **removed** in hot water without any residue.

Cured **PROTAVIC® ANE 50040-R A/B** main properties may be summarized as follows :

PROPERTIES / DESCRIPTION	RESULTS
Adhesion strength after curing 15 hours at 25°C (2x2 mm ² Silicon dies / Cu plate)	200 kg / cm ²
Residual adhesion strength after curing + 15 minutes in a 80°C – 4% lactic acid bath – (2x2 mm ² Silicon dies / Cu plate)	50 kg/cm ²
Glass / glass bonding behavior after curing 15 hours at 25°C + 15 minutes in a 80°C water bath	debonding

PRECAUTION OF USE

Refer to the attached material safety data sheet.

PACKAGING

The **PROTAVIC® ANE 50040-R A/B** is available in 1:1 two components kits. Other packaging are available upon request.

The information contained in this data sheet corresponds to the present state of our knowledge ; it is intended for your guidance but we are not bound by it since we are not in a position to exercise control over the manner in which our products are used. Moreover, the attention of the user is drawn to the risks that could possibly occur should a product be used for an application other than that for which it is intended.