



# PROTAVIC<sup>®</sup> ANE 50030-R A PROTAVIC<sup>®</sup> ANE 50030-R B

16691-08-A  
28093-A  
28094-B

## DEFINITION

The **PROTAVIC<sup>®</sup> ANE 50030-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 resist to hot water and/or hot PEG and has to be removed in acidic conditions.

It may be applied more particularly in ingot saving applications.

## PRODUCT DESCRIPTION

### PROTAVIC<sup>®</sup> ANE 50030-R part A

Appearance	viscous liquid	
Colour	black	
<b>Significant value</b>	<b>Result</b>	<b>Method</b>
Cone and plate viscosity (mPas)	7500 ± 1500	NFT 51211
<b>Other information</b>		
Stability in original unopened packages	6 months at T ≤ + 25°C	

### PROTAVIC<sup>®</sup> ANE 50030-R part B

Appearance	viscous liquid	
Colour	grey	
<b>Significant value</b>	<b>Result</b>	<b>Method</b>
Cone and plate viscosity (mPas)	9500 ± 1500	NFT 51211
<b>Other information</b>		
Stability in original unopened packages	6 months at T ≤ + 25°C	

### PROTAVIC<sup>®</sup> ANE 50030-R A/B mixed product

<b>Mix ratio</b>	<b>By weight</b>	<b>Part A/B : 1/1</b>
	<b>By volume</b>	<b>Part A/B / 1/1</b>
<b>Properties</b>	<b>Results</b>	
Cone and plate viscosity (mPas)	About 7500	
Density	About 1.33	
Curing schedules	- 15 hours at 25°C - 10 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 50030-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 acidic water without any residue.

Cured **PROTAVIC® ANE 50030-R A/B** main properties may be summarized as follows :

<b>PROPERTIES / DESCRIPTION</b>	<b>RESULTS</b>
Adhesion strength after curing 15 hours at 25°C (2x2 mm <sup>2</sup> Silicon dies / Cu plate)	200 kg / cm <sup>2</sup>
Residual adhesion strength after curing + 15 minutes in a 80°C – 4% lactic acid bath – (2x2 mm <sup>2</sup> Silicon dies / Cu plate)	25 kg/cm <sup>2</sup>
Glass / glass bonding behavior after curing 15 hours at 25°C + 15 minutes in a 80°C – 4% lactic acid bath	debonding
Resistance in a 65°C water bath	good
Resistance in a 65°C PEG 200 bath	good

## **PRECAUTION OF USE**

Refer to the attached material safety data sheet.

## **PACKAGING**

The **PROTAVIC® ANE 50030-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.*