



# PROTAVIC<sup>®</sup> ANE 40928-A PROTAVIC<sup>®</sup> ANE 40928-B

A 28190-08 A  
A 57508-08 A

## DEFINITION

**PROTAVIC<sup>®</sup> ANE 40928 A/B** is a two-component system, solvent free, electrically insulating. This adhesive develops structural strength rapidly and particularly by curing at room temperature or in low temperature conditions. The material bonds well to most metals, ceramics, glass and silicon surfaces.

## PRODUCT DESCRIPTION

### 1. PROTAVIC<sup>®</sup> ANE 40928 part A (6-28190)

|            |                |
|------------|----------------|
| Appearance | viscous liquid |
| Odour      | faint          |
| Colour     | black          |

### 2. PROTAVIC<sup>®</sup> ANE 40928 part B 5 (6-57508)

|            |                |
|------------|----------------|
| Appearance | viscous liquid |
| Odour      | faint          |
| Colour     | Light brown    |

### PROTAVIC<sup>®</sup> ANE 40928 A and B

|  |   |            |           |
|--|---|------------|-----------|
| Guaranteed specification                       |   |            |           |
| Cone and plate viscosity                       | 100000 ± 25000 mPa.s                    |            |           |
| Other information                              |   |            |           |
| Mix ratio                                      | By weight                               | Part A 100 | Part B 49 |
|  | By volume                               | Part A 100 | Part B 50 |
| Cone & plate viscosity                         | Around 100000 mPa.s                     |            |           |
| density of each component and of mixed product | 1,2 approximately                       |            |           |
| Thixotropic index of mixed product             | 4 - 5                                   |            |           |
| Curing schedules                               | 2.5 hours at 25°C<br>15 minutes at 65°C |            |           |
| Pot life* at 20±1°C                            | 20 minutes                              |            |           |

\* : Pot life defined as time corresponding to a 100% increasing viscosity.

## TYPICAL PROPERTIES OF CURED PROTAVIC ANE 40928 A/B

*The properties listed below were determined from measurements carried out in limited number of tests. These properties are given as guidance, and do not constitute a guarantee. It will be for the user, in all cases, to carry out their own tests to determine weather the **PROTAVIC<sup>®</sup> ANE 40928 A/B** is suitable for the user's particular application.*

Properties below are given after curing 20 minutes at 65°C

| PROPERTIES                          | RESULTS        | METHODS    |
|-------------------------------------|----------------|------------|
| Shore D hardness                    | 85             | ASTM D2240 |
| Lap shear to Al                     | 200 kg         | ASTM D3163 |
| Glass transition temperature        | 70 -80°C       | TMA 1      |
| Coefficient of thermal expansion α1 | 50 – 60 ppm/°C | TMA 1      |

## **ELECTRICAL PROPERTIES**

| <b>PROPERTIES</b>                            | <b>RESULTS</b>   | <b>METHODS</b> |
|--|--|----------------|
| volume resistivity<br>- 100 V<br>- 500 V     | 8 x 10 <sup>14</sup> Ohm.cm<br>6.3 x 10 <sup>14</sup> Ohm.cm | ASTM D257      |
| Dielectric constant<br>- 120 Hz<br>- 1000 Hz | 4.3<br>4.3   | ASTM D150      |
| Dissipation factor<br>- 120 Hz<br>- 1000 Hz  | 0.002<br>0.002   | ASTM D150      |

## **PRECAUTION IN USE**

Refer to the attached material safety data sheet

## **STORAGE**

1 year for both parts at 25°C in unopened packages

## **PACKAGING**

**PROTAVIC® ANE 40928 A/B** is supplied in 500 g, 1 kg and 5 kg pots. Other packaging are available upon request.