



PROTAVIC INTERNATIONAL WORLDWIDE

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PROTAVIC® PNE 40610 A/B

A 016659
6-28135 - 6-28136

DEFINITION

The **PROTAVIC® PNE 40610 A/B** is a two-component soft system, solvent free, electrically insulating and flame retarded.

PRODUCT DESCRIPTION

- **PROTAVIC® PNE 40610 mixed system**

Guranteed specification	Standards	Methods
Cone and plate viscosity	5000 - 10 000MPa.s	NFT 51211
Other informations		
Density	About 1.5	
Thixotropic index of mixed product	About 1.5	
Curing schedules	30 - 40 minutes at 110°C	
Stability before mixing of both A and B parts in ther originals packages	6 months at $T \leq \pm 25^{\circ}\text{C}$	
Pot life* at 20 $\pm 1^{\circ}\text{C}$	About 6 hour	

* pot life defined as time corresponding to a 100% increasing viscosity

ADVICES FOR MIXING PROTAVIC PNE 40610 A + B

Homogenise both parts A and B alone following the operation procedure for mixing PROTAVIC® products (n°016550).

APPLICATION PROPERTIES

The thixotropic behaviour of **PROTAVIC® PNE 40610 A/B** and the nature of its components make the product well adapted to mico-dispersing.

Its particular rheology allows a perfect wetting of surfaces in contact with the resin and a good adhesion with them. Its also allows the perfect filling of less than 1mn size cavities.

Try to apply **PROTAVIC® PNE 40610 A/B** in dry atmosphere in order to avoid a possible reaction with humidity which could lead to a slight decreasing of glass transition temperature.

The high ionic purity of **PROTAVIC® PNE 40610 A/B** also avoids problems of corrosion, which would otherwise reduce the working life of the system. It

also contributes to the reliability of components during utilisation.

CONDITIONS OF USE

Degrease very carefully substrates or components before bonding with non chlorinated solvents (which may encourage corrosion) and finish, if possible by degreasing in a solvent vapour at the end, to achieve optimal adhesion.

Apply the resin with a micro-dispenser and needles of 0,5 to 1,5 mn internal diameter.

TYPICAL PROPERTIES OF POLYMERIZED SYSTEM

The properties given below and summarised in the following tables were obtained after polymerisation for 2 hours at 90°C.

These values given are typical and do not correspond to a guarantee. The user must, in all cases, by his own studies, determine the optimal polymerisation conditions for his own particular application of the **PROTAVIC® PNE 40610 A/B**.

1 - Physico-chemical properties

Properties	Methods	Units	Value
Density	NFT 51063	None	1,8 approx
Shore D hardness	NFT 51109	None	45-50

2 - Thermal properties

Properties	Methods	Units	Value
Glass transition temperature tg	TMA1	°C	-10 to -5
Coefficient of thermal expansion below tg	TMA1	ppm/°C	About 75
Coefficient of thermal expansion above tg	TMA1	ppm/°C	About 115
Decomposition temperature	TGA1	°C	About 350

STORAGES CONDITIONS

Store both **PROTAVIC®PNE 40610 A/B** in a cool and dry place at 25°C or below. Protect them from moisture and source of heat (which may speed up a reversible settling phenomenon).

PROTAVIC®PNE 40610 A/B is very moisture sensitive. In case of uncompleted use of product, remove moisture from the package by sweeping dry air (or dry nitrogen) before to close it.

PRECAUTIONS OF USE

Refer to attached material safety data sheet.

PACKAGING

PROTAVIC®PNE 40610 A/B is supplied in 1kg pots. Others packagings 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.