



PROTAVIC INTERNATIONAL WORLDWIDE

EUROPE		EUROPE		NORTH AFRICA	
AUSTRIA	PROTEX WARENHANDELSGES .M.B.H. A-1030 WIEN Tel : (43) 01 73 93 864 Fax : (43) 01 71 37 552		ICROM INDUSTRIA CHIMICA 20049 CONCOREZZO (Mi) Tel : (39) 039 604 08 36 Fax : (39) 039 604 17 42 icrom@icrom.com	MOROCCO	SPECHIMA 20600 CASABLANCA - AIN SEBAA Tel : 212 22 35 65 07 - 212 22 34 34 98 Fax : 212 22 35 92 40 spechima@menara.ma
BELGIUM	PROTEBEL B-1040 BRUXELLES	NETHER- LANDS	PROTEX NEDERLAND BV Godfried Bomansstraat 7 Postbus 291 NL – 41000 AG Culemborg Tel : 0345-544666 Fax : 0345-544661	ASIA	
DENMARK	PROX KEMI APS 1879 FREDERIKSBERG C			HONG- KONG	PROXASIA Ltd TSUEN WAN, N.T., HONG KONG Tel : (852) 2407 5699 Fax : (852) 2408 7185 proxasia@netvigator.com
FRANCE	AQUAPROX 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	PORTUGAL	PROX LDA 4470 MAIA Tel : (351) 22 9415019 Fax : (351) 22 9415022	SOUTH KOREA	PROTEX KOREA Co Ltd 661-32 - YEOKSAM-DONG- GANGNAM-GU - SEOUL , 135-080 Tel : (82) 02/3453 8213 Fax : (82) 02/3453 8082 yklee@protexkorea.co.kr
	BIOPROX 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	UNITED KINGDOM	PROTEX CHEMICALS Ltd Howley Park Road East, Morley, Leeds, LS 27 OSW Tel : (44) 0113 238 3222 Fax : (44) 0113 238 3111 sales@protexchemicals.com		PROTAVIC KOREA 1675-1, SHINIL-DONG, DAEDUCK-KU DAEJOEN, 306-230 KOREA Tel : (82) 42 933 5590 Fax : (82) 42 933 5594 cwsohn@protaviv.co.kr
	PROTAVIC INTERNATIONAL 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com		CHROMATECH Division of Protex Chemicals Ltd Howley Park Road East, Morley, Leeds, LS 27 OSW Tel : (44) 0113 238 3222 Fax : (44) 0113 238 3111 admin@chromatech.co.uk	THAILAND	THAIPROX Ltd KLONGTOEY - BANGKOK 10110 Tel : (66) 2 254-9562 / 656-9568-9 Fax : (66) 2 254-9563 pga@thaiprox.co.th
	PROTEX 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	SWEDEN	PROTEX SVERIGE AB GOTEBORG Tel : (46) 53110314 Fax : (46) 53110314	INDONESIA	PT PRODIAN CHEMICALS BANDUNG - WEST JAVA 40222 Tel : (62) 22 594 5628 Fax : (62) 22 594 5626 / 27 prodian@bdg.centrin.net.id
	PROTELOR 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	SWITZER LAND	PROTEX-CHIMIE S.A. BIRKENSTRASSE 49 6343 ROTKREUZ (CH) Tel : (41) 061-302 0066 Fax : (41) 061-302 0076	CHINA	SINO-PROX CHEMICALS GAOYAO Ltd GUANGDONG - 526 100 Tel : (86) 758 836 1055 / (86) 758 836 1156 Fax : (86) 758 836 1052 sinoprox@pub.zhaoqing.gd.cn
	SYNTHRON 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	NORTH AMERICA			
	J et E SOZIO-DESCOLLONGES 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 41 34 14 00 Fax : 33 (0) 1 41 34 14 16 postmaster@protex-international.com	USA	FAR RESEARCH Inc. PALM BAY (Fl) 32905-2548 Tel : (1) 321 723 6160 Fax : (1) 321 723 8753 far_research@bellsouth.net		SHANDONG PROX-CHEM SPECIALTY CHEMICALS Co., Ltd. RUSHAN City PROVINCE SHANDONG Tel : (86) 532 8588 3863 Fax : (86) 532 8588 3932
	BOURIGEAUD INDUSTRY 92305 LEVALLOIS-PARIS Tel : 33 (0) 1 47 48 02 33 Fax : 33 (0) 1 47 48 06 14 postmaster@protex-international.com		J & E SOZIO Inc. EDISON (NJ) 08820-1102 Tel : (1) 908 755 7488 Fax : (1) 908 755 6006 J.E.SOZIO@att.net		SUZHOU PROX-CHEM SPECIALTY CHEMICALS Co., Ltd. Targxi Road 23, New District SUZHOU JIANGSU – 215 151 Tel : (86) 512 6532 1636 Fax : (86) 512 6532 0906
GERMANY	PROTEX EXTROSA D-79504 LÖRRACH Tel : (49) 07621/84772 Fax : (49) 07621/12429		PROTAVIC America Inc. 151 ESSEX STREET HAVERHILL, MA 01832 Tel : (1) 978 372 2016 Fax : (1) 978 372 2016 info@protavivamerica.com Web address : www.protavivamerica.com	TAIWAN	HERZER CO., LTD 2Fl., No. 131 YANSHOU ST., SUNGSHAN CHIU, TAIPEI 105 TAIWAN Tel : (886) 02 3765 2789 Fax : (886) 02 3765 2788
SPAIN	QUIMOPROX S.L. 08187 SANTA EULALIA DE RONCANA (Barcelone) Tel : (34) 93 844 66 94 Fax : (34) 93 844 77 37		PROX-CHEM America Inc. 1077 13 th Street SE Hickory, NC 28602 Tel : (1) 828 322-7003 Fax : (1) 828 322-7006 randycox@proxcheminc.com		PROTAVIC TAIWAN N°2 66 th ALLEY LUN DING 2 ND STREET KUI-ZEN HSIANG TAINAN COUNTY 711 TAIWAN Tel : (886) 6 230 7392 dw_twn@hotmail.com
ITALY	PROX-ITALIA PRODOTTI CHIMICI Srl 20049 CONCOREZZO (Mi) Tel : (39) 039 604 29 01 Fax : (39) 039 604 17 68 proxitalia@proxitalia.it				

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.