



# TECHNICAL DATA SHEET

NCS SOUTH AFRICA (PTY) LTD

9 Pineside Rd, New Germany, Durban, 3610

T +27(0)31 713 0600

[www.ncs.za.com](http://www.ncs.za.com)

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## ISO CLEAR SEMI FLEXIBLE BONDING ADHESIVE

### DESCRIPTION

ISOPREGEL PA is an isophthalic, semi-flexible bonding paste which is based on an unsaturated polyester resin. It is pre-accelerated and is designed as a patching or bonding paste where good flexibility, chemical resistance, hydrolytic stability and mechanical properties are required. ISOPREGEL PA can be used in patching and grouting, or as an adhesive paste to bond GRP panels. ISOPREGEL PA is suitable as a thixotropic additive to impart added thixotropy to standard polyester resins.

### APPLICATION

ISOPREGEL PA is designed as a patching or bonding paste where good chemical resistance is required. It can be used in patching and grouting or as an adhesive paste to bond GRP components

### FEATURES & BENEFITS

- Pre-accelerated
- Thixotropic
- Sem-flexible
- Isophthalic
- Ease of application
- Only requires the addition of catalyst
- Good sag resistance
- Good impact resistance
- Good chemical and water resistance
- Applied using conventional method

### OTHER VERSIONS

None

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## TYPICAL PROPERTIES

### LIQUID PROPERTIES AT 25°C

PROPERTY	UNIT	SPECIFICATION
Geltime, 2php* Butanox M50	minutes	5 – 10
Appearance	visual	Pinkish Paste
*php = parts per hundred by mass of paste		

## CURING CHARACTERISTICS

ISOPREGEL PA is pre-accelerated and needs only the addition of BUTANOX M50 catalyst to start the curing reaction. ISOPREGEL PA should be allowed to attain workshop temperature (18 - 25°C) before use. The ambient temperature and amount of catalyst will control the geltime of the paste.

Ensure that the catalyst is thoroughly dispersed in the paste to prevent uneven or under cured areas, which may lead to product failure. Curing should not be carried out below 15°C.

## STORAGE & HANDLING

To ensure maximum stability and maintain optimum properties, polyester resin should be stored in closed containers, maintained below 25°C and away from heat sources and sunlight. All storage should conform to local fire and building codes. Drum stock should be kept to a reasonable minimum with first-in, first-out stock rotation.

Where bung-in-head containers are stored outside, it is recommended that these be stored in a horizontal position to avoid the ingress of water.

## PRODUCT SAFETY

A Safety Data Sheet is available from your NCS representative. Make certain that you obtain a copy of this guide to the safe handling of unsaturated polyester resins and resin systems.

**Warning:** Care must be taken to avoid direct mixing of any organic peroxide (catalyst) with metal soaps, amine or any other polymerisation accelerator or promoter, as violent decomposition will result!

**PLEASE READ AND UNDERSTAND THE SAFETY DATA SHEET BEFORE WORKING WITH THIS PRODUCT**

## BRANCHES

Durban Head Office	+27 31 713 0600	9 Pineside Road, New Germany 3610
Durban Sales	+27 31 713 0678	42 Henwood Road, New Germany 3610
Johannesburg	+27 11 451 8900	12 Plantation Road, Eastleigh, Edenvale 1610
Cape Town	+27 21 935 1788	6 Reuben Kaye Rd, Parow Industria 7764
Gqeberha	+27 41 451 2571	19 Dudley Street, Neave Township 6020

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