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Hand Pour/Injection/  
Sprayable Foams

HCFC/HFC/Pentane/  
Water Blown Foams

Integral Skin Foams

Polyurethane Rigid Foam  
Sheets

Polyurea & Polyurethane  
Spray Elastomers

Polyurethane Panel  
Adhesives

Tufflex Waterproofing

Disposable Foam  
Products

Packaging Foams

Foam-in-Place/Foam-in-Bag  
Dispensers

## DESCRIPTION

**PAC-ELAST SE235** is a two component, spray-in-place, solvent free, flexible, 100% solids polyurea elastomer system.

This product has a very fast reaction profile as it is formulated for spray application through plural component spray equipment.

**PAC-ELAST SE235** is a fast curing, textured surface, multipurpose material designed for commercial and industrial applications requiring abrasion resistance, impact protection and sealing for cementitious, metal and/or wood surfaces at temperatures up to 350°C.

**PAC-ELAST SE235** not break down under u.v. light however the colour of the product may change with long term exposure. A u.v. stable paint system can be applied for colour retention.

## APPLICATIONS

**PAC-ELAST SE235** is ideally suited to sealing, protecting and waterproofing roofs, floors, tanks, pipes, concrete etc.

**PAC-ELAST SE235** can be used as a hard coat for protecting friable surfaces such as polyurethane foam and polystyrene, from outdoor exposure.

## PHYSICAL PROPERTIES

### LIQUID COMPONENTS

	COMPONENT A	COMPONENT B
Appearance	Brown liquid	Black liquid
Specific Gravity	1.15	1.08
Viscosity (20°C)	600 cps	110 cps
Mix Ratio – by volume	1	1

### REACTION PROFILE

Mix Time	3 seconds
Gel Time	6 seconds
Cure Time	Do not walk on for 24hrs

### PHYSICAL PROPERTIES

Density (kg/m <sup>3</sup> )	ASTM-D-1622	1100
Hardness (Shore D)	ASTM-D-2240	60
Abrasion Resistance	ASTM-D-4060	0.6%/1000 cycles
Tensile Strength (KPa)	ASTM-D-2370	124
Elongation (%)	ASTM-D-2370	105
Tear Resistance (lb/lin in.)	ASTM-D-1004	450
Colour		Black (standard) Others available

## CHEMICAL RESISTANCE

MATERIAL	RESISTANCE
Acetic Acid ( 10%)	Excellent
Acetic Acid ( concentrate)	Poor
Acetone	Poor
Alcohol	Excellent
Ammonium Hydroxide	Poor
Automotive Gasoline	Good
Automotive Oil	Excellent
Aviation J P Fuel	Excellent
benzene	Good
Boric Acid	Excellent
Brine Solution	Excellent
Citric Acid ( 10%)	Excellent
Diesel Fuel	Good
Formic Acid ( 5%)	Excellent
Formic Acid ( 10%)	Poor
Hydrochloric Acid ( 5%)	Excellent
Hydrochloric Acid (45%)	Fair
Hydrogen Peroxide (10%)	Excellent
Kerosine	Excellent
Lactic Acid ( 10%)	Fair
Linseed Fatty Acid	Excellent
Nitric Acid ( 10%)	Excellent
Phosphoric Acid ( 50%)	Excellent
Potash Lye ( 20%)	Excellent
Saline Solution ( 30%)	Excellent

## PROCESSING INFORMATION

**PAC-ELAST SE235** must be sprayed, using high pressure plural component dispensing equipment.

Drums of components should be pre-heated to at least 25°C prior to mixing or dispensing.

Mix polyol thoroughly with a rotary power mixer before use.

### Machine Settings:

<b>Equipment pressure</b>	1500 psi minimum
<b>Component A/B</b>	
Hose Temperature	45
System Temperature	50 to 60°C
<b>Gun:</b>	#02 Spray Chamber

Our technical service – whether verbal, in writing or by way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you.

## APPLICATION CONDITIONS

Substrates should be clean and dry. Water or moisture may react with the components and affect the finished results. A dryer should be installed in the air line to eliminate moisture.

Primer is not normally required for direct to metal applications. For application to other surfaces, please consult Pacific Urethanes for technical advise.

## PRODUCT HANDLING

All persons using spray elastomers should be trained in their use and be familiar with the product MSDS's.

Provide additional ventilation and/or breathing apparatus if used in confined spaces.

### Component A (isocyanate)

This is a potential respiratory sensitiser. Persons who suffer from hypersensitivity of the respiratory tract (e.g. asthmatics and chronic bronchitis sufferers) should avoid handling this product.

Avoid contact with the eyes or skin and breathing the vapour.

### Component B (polyol blend)

Avoid contact with the eyes or skin. If eye contact occurs, flush thoroughly with water and consult a physician.

Wear appropriate personal protective equipment when servicing equipment.

### Cleanup

Cured elastomer is difficult to remove chemically. Therefore spillage should be minimized and cleaned up as soon as possible.

PAC Poly Clean aerosol cans can be used for small areas while PAC Methyl Proxitol is available for larger areas and for flushing lines.

### Storage

Components should be stored at temperatures between 15°C and 25°C. Containers should be kept tightly closed. Polyols should be remixed if not used within 3 months of delivery.

**24 hr Emergency No: 00800 2436-2255**

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