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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

ISF **Skin Foam** is two component integral skin flexible polyurethane foam. The formulation produces microcellular core product with a tough exterior integral skin.

## APPLICATIONS

Skin foam flexi is used in applications such as Film / Theatrical set creation. Any shape item can be produced from silicone moulds or similar. This product has many variables, the soft squashable finish can be created within a closed mould and overpacked or spread thinly to resemble latex.

## PHYSICAL PROPERTIES

Appearance	Milky viscous liquid (can be coloured)
Odor	Mild Odor
Odor threshold	Not available
Solubility in Water	Slight (0.1 to less than 1%)
PH	4 to 8
Initial Boiling Point	>400F
Viscosity	835 to 1233 Mpa-s (20%)
Vapour Pressure	<0.001 mmHg(20 deg)
Density	110 to 120 Kg/m <sup>3</sup>
Catalyst	Proprietary
Solvents	HFC 365/227
Additives	Proprietary

Mix 30 seconds with fast drill and paint mixer

Cream Time 50 seconds

Gel time 70 Seconds

Free rise density 100-120 kgm<sup>3</sup>

Ratio 2 parts polyol: 1 part isocyanate

Softer mix is possible with 2:1

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## PROCESSING INFORMATION

Component drums should be pre-heated to at least 25°C prior to mixing/dispensing. Preheat substrate if possible to >25°C. The optimum temperatures can vary depending on ambient conditions, applications and substrate.

## APPLICATION CONDITIONS

**Skinfoam flexi** is formulated for application on most surfaces under various conditions. Substrates should however be clean and dry. Water or moisture may react with the components and affect the finished results. Elevated surface temperatures will increase the yield. Low surface temperatures (<15°C) will lead to the foam "over-packing" and a loss of yield. Ideal temperatures are 25°C – 35°C.

## YIELD

To be advised.

## PRODUCT HANDLING

All persons using polyurethane foam components should be trained in their use and be familiar with the product MSDS's.

Breathing apparatus or forced ventilation/extraction may be required when used in confined areas.

### Component A (diphenylmethane-diisocyanate)

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.

Exposure levels must be maintained below the safe thresholds.

Avoid contact with the eyes or skin and breathing the vapour. Wear appropriate personal protective equipment when servicing equipment.

### Component B (polyol blend)

This contains polyols and HCFC blowing agents.

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 polyurethane foam 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 tightly closed

Polyols should be remixed if not used within 3 months of delivery.

Shelf life is 6 months from delivery minimum

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