



Unit 21, Priory Ind. Park, Airspeed Road  
Christchurch, Dorset, BH23 4HD

Tel: 01425 278011

# FC40

**High Quality Polyurethane  
Adhesive and Sealant**

## **Product Description**

FC40 is a high quality one component polyurethane sealant with a high modulus for a wide range of sealing and bonding applications.

## **Characteristics**

- Very good applicability
- Permanently elastic after curing
- Very good adhesion on many surfaces
- Excellent resistance to many chemicals

## **Applications**

- Sealing and bonding in marine applications above and below water line.
- Sealing and bonding in caravans and motor homes.
- All sealing and bonding applications in the building and metal industry
- Structural bonding in vibration constructions

## **Application Examples**

- Sealing and bonding in metal constructions
- Sealing of shrinkage joints in concrete floors
- Flexible bonding in container building
- Gluing of roof tiles

## **Packaging and Colours**

**Colours:** White – Grey – Black (other colours on request)

**Packaging:** Aluminium cartridge of 310 ML

## **Shelf life**

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

## **Technical Data**

<b>Base:</b>	Polyurethane
<b>Consistency:</b>	Stable Paste
<b>Curing System:</b>	Moisture Cure
<b>Skin Formation:</b>	ca 15 min (20°C/65% relative humidity)
<b>Curing Rate:</b>	3mm/24h (20°C/65% R.H.)
<b>Hardness:</b>	40 ± Shore A
<b>Shrink:</b>	max. 4%
<b>Specific Gravity:</b>	1.26
<b>Temperature Resistance:</b>	-40°C until +90°C
<b>Elastic Recovery:</b>	> 80%
<b>Elongated at break:</b>	> 600%
<b>Elasticity Modulus 100%:</b>	0.60 N/mm <sup>2</sup> (DIN 53504)
<b>Breaking Strength:</b>	> 1.50 N/mm <sup>2</sup> (DIN 53504)
<b>Max Allowed Distortion:</b>	15%

**Surfaces**

<b>Substrate:</b>	Most of the usual building substrates, most metals, polyesters and many plastics. <b>Not on glass.</b>
<b>State of surface:</b>	Clean, dry and free from dust and grease.
<b>Preparation:</b>	Apply Primer 100 on porous surfaces.

**Joint Size**

<b>Min. Width:</b>	2mm in bonding applications 5mm in joints
<b>Max. Width:</b>	10mm in bonding applications 30mm in joints
<b>Min. Depth:</b>	5mm in joints
<b>Recommendation:</b>	Joint depth = Joint width

**Application**

<b>Application method:</b>	Manual or pneumatical caulking gun
<b>Application temperature:</b>	+1°C until 30°C
<b>Cleaning:</b>	Clean with white spirits immediately after application
<b>Finishing:</b>	Smoothen joint with a soapy solution before skin forming

**Transport Information**

Non-hazardous for all means of transport.

**Labelling**

<b>Symbol:</b>	None
<b>Risk phrases:</b>	None
<b>Safety phrases:</b>	None
<b>Contains:</b>	Isocyanates

**Information**

When painted with oxidative drying paints, disturbances in the drying of the paints may occur.

Data contained in this document is for information only and is believed to be reliable. Delta Rubber cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and we are pleased to provide a sample upon request.

Before using this product ensure that you have been supplied with and have carefully read the following information.

- ☐ The hazard label (complying with latest CDG/CPL regulations) applied to the container.
- ☐ Material Safety Data Sheet, FC40.