

# Optiflex 640

Optima Coatings Optiflex 640 is a high performance, fast curing, polyurethane joint sealant for various industrial and construction applications. Optiflex 640 offers a single component, moisture curing, non-slump, elastomeric seal with a good skin formation.

**Colours:** Grey and White

## PRODUCT USES

- Developed specifically for sealing dynamically moving joints - such as expansion and control joints.
- Demonstrates high elasticity and recovery properties and therefore may be used to bond and seal most common building materials including concrete, glass, wood, stone, metal and anodised aluminium.
- Fills crevices and bridges gaps where a flexible polyurethane jointing compound is required, ie. steel bridges, fibre-cement butt joints.

## ADVANTAGES

- Durable resilient seal.
- Non staining.
- Excellent tear resistance and good weathering characteristics.
- Primer free (except M1 smooth mortar).
- Demonstrates good resistance to dilute acids and alkalis.
- Has a good resistance to diluted acids and alkalis, ultra violet light and saline solutions.
- Can bond to most coatings and be overcoated with most acrylics.

## COVERAGE

- 12m<sup>2</sup> per litre per application. Used at 10 % concentration. Dependant on width and depth of joint.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, rust, algae and grease.

## APPLICATION

- Apply Optima Coatings Optiflex 640 using a conventional sealant application gun, ensuring enough sealant is applied to facilitate the correct width to depth ratio for the joint.
- Following the application, the sealant must be tooled into place to ensure a good bond with the joint profile.
- Smooth to a neat finish using a solution of soap and water onto a gloved finger or tooling stick.
- Application temperature range is a minimum of 5°C and a maximum of 35°C.

## CLEANING

- Clean all equipment immediately after use with Optima Coatings Xylene.
- Any excess cured material will have to be mechanically removed.

**SAFETY PRECAUTIONS**

- As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs.
- Treat splashes to eyes and skin immediately.
- If accidentally ingested, seek medical attention.
- Reseal containers after use.
- Use in well ventilated areas and avoid inhalation.

**TECHNICAL DATA**

Pack size	600ml sachets/slugs
Skin formation time (23°C 50% R.H)	3 - 6 hours
Movement accommodation factor (MAF)	25%
Shore A hardness	25
Speed of Cure (23° 50% RH)	2.5 - 3mm/24hrs
Modulus of Elongation (ISO8339)	0.25 MPa
Elongation at break (ISO 8339)	>250%
Temperature resistance	-20°C to + 80°C
Properties listed are only for guidance and are not a guarantee of performance.	

*Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.*

*Updated: March 2013 (this supercedes all previous publications)*