

TECHNICAL DATA:

HYBRIFLEX 55 High modulus Hybrid Sealant and Adhesive

HYBRIFLEX 55 is a one part, chemically curing solvent free sealant and adhesive combining the best qualities of silicone and polyurethane technologies . It is specifically designed for adhering most common industrial surfaces to each other and themselves

BENEFITS

- Excellent primerless adhesion to most surfaces, including metals, most plastics, glass, polyester...
- High UV and aggressive atmosphere resistance
- Excellent resistance to Chemicals & petrol (10% dilute acids, alkalis, most solvent)
- Non staining on sensitive materials, marble, granite
- Resistant to temperature extremes -40°C to +125°C
- Good flexibility ($\pm 20\%$)
- Overpaintable with certain paints (compatibility test should be made)
- Can be applied on damp surfaces
- Non hazardous to health
- High mechanical and initial grab properties

AREAS FOR USE

- Sealing and bonding in almost every application imaginable, as an example vehicle/coach body construction, marine applications, container building
- Bonding difficult materials such as specialized polymer systems, metals, fiberglass and any application requiring high performance, durable sealing and bonding of joints.

SURFACE PREPARATION

All surfaces must be clean and dust free. Preliminary adhesion tests are strongly recommended prior to full scale application. Surfaces may be damp, but have no standing water. For most substrates, priming is not required, however, if in doubt contact our technical department.

APPLICATION

Cut the tip of the cartridge taking care not to damage the thread. Fix nozzle, cut aperture to required width and apply with a standard sealant gun.

The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Uncured material can be removed by wiping with a dampened cloth with white spirit. Cured material can be carefully removed by mechanical means.

TECHNICAL DATA

Consistency	Pasty
Density	1,50 ± 0.05
Application temperature	5 to 35 °C
Skin formation at 23 °C and 50 % RH	30 ± 10 min
Sagging (ISO 7390)	Nil
Curing at 23 °C and 50 % RH	> 3 mm/24 h
Shore A hardness (ISO 868 – 3 seconds)	55-60
Modulus at 100 % elongation (ISO 8339)	> 1 MPa
Elongation at break (ISO 8339)	> 100 %
Tensile strength (ISO 8339)	> 1.5 MPa
Shrinkage (ISO 10563)	< 2 %
Resistance to UV radiation	Excellent
Compatibility with paints	Water based: yes (test compatibility) Solvent based : no (with alkyd paints)
Temperature resistance	-40 to + 100 °C
Movement accommodation	± 20%
Coverage	Approximately 11 linear meters per cartridge
Colour	Grey, white, brown, black

HEALTH AND SAFETY

- Data sheet available for professional user on request.

PACKAGING

290 ml cartridge packed in boxes of 12 and 600 ml sausages packed in boxes of 12

STORAGE

Store in cool dry conditions between + 5°C and 25°C.

SHELF LIFE

12 months in original unopened containers

Limitations

Adhesion (and overpaintability) trials are recommended prior to full scale application

It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice

Note :

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests or trials in order to ensure that the product is suitable for the intended application.