

PRODUCT DATA SHEET

Everbuild Tecnic[®] Hybriflex 55

Neutral cure, hybrid polymer building and construction adhesive

PRODUCT DESCRIPTION

Everbuild Tecnic[®] Hybriflex 55 is a one part, neutral cure, hybrid polymer-based adhesive which has excellent primerless adhesion to most common building substrates. Isocyanate, silicone and halogen free, overpaintable with most paints. Used for general bonding and sealing in industry, engineering, construction and O.E.M markets.

USES

- Bonding construction joints.
- Jointing cladding panels.

CHARACTERISTICS / ADVANTAGES

- High bond strength.
- Permanently flexible.
- Overpaintable with most common paint types.
- Can be applied to wet surfaces.
- Chemical resistant to acids/alkalis, petrol etc
- Excellent initial grab properties.

Shrinkage (ISO 10563)	< 5 %
Modulus at 100 % elongation	0.6 MPa
Tensile strength at break	1.5 MPa
Temperature resistance	-40 to +100 °C

PRODUCT INFORMATION

Chemical Base	Hybrid polymer
Packaging	600 ml foil packs
Shelf Life	12 months from date of manufacture when stored as directed.
Storage Conditions	Store in cool, dry conditions between +5 °C and +25 °C. Storage outside these parameters will dramatically reduce shelf life.
Colour	White, Grey, Black
Density	Approx 1.5 g/cm ³
Shore A Hardness	55-60 (1 week)
Elongation at Break	>25 % (ISO 8339)
Elastic Recovery	>70 %
Chemical Resistance	Excellent (hypochlorite, dilute acid, dilute alkali, detergent, saline; 2 weeks immersion)
Resistance to moisture	Excellent

APPLICATION INFORMATION

Ambient Air Temperature	+5 °C to +35 °C
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Curing Rate	Approx ~1 mm/24 hours
Skin Time	30-45 mins at 20 °C/50 % RH
Tack Free Time	Ca. 20-90 mins at 23 °C and 50 % RH

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not use on surfaces that bleed oils or plasticizers.
- Do not use in conjunction with bitumen or asphalt.
- Do not use in aquaria.
- Test compatibility with all substrates and paint systems prior to full scale use. May increase drying time of alkyd paints.
- Always use in conjunction with mechanical fixings for overhead applications.
- Do not use on Polypropylene, Polyethylene or Teflon.
- This product may cause some staining over natural stone. Always check compatibility before use. Do not use on polythene backed safety mirrors.
- As the quality of uPVC, ABS and most other plastics can vary dramatically, always carry out adhesion tests prior to full scale use. It is the users responsibility to determine suitability for use. If in doubt, please contact Technical Services for advice.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

APPLICATION INSTRUCTIONS

PRIMER

Priming is not always necessary but, if in doubt, use a suitable primer such as Sikaflex® Primer-3N for concrete or as directed prior to application, especially when joints are to be immersed.

SUBSTRATE PREPARATION

All surfaces must be cleaned and be free from dust, grease and frost. Priming is not required for most substrates (except when area is intermittently or permanently immersed). Non porous surfaces should be cleaned and degreased with a suitable proprietary cleaner such as Everbuild® Surface Cleaner. If priming is required prepare the substrate using Sikaflex® Primer-3N for porous surfaces. If in doubt contact Technical Services for advice.

When overpainting, a compatibility test should be carried out prior to full application.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's cur-

rent knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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