

## PRODUCT DATA SHEET

# Sika<sup>®</sup> Hybriflex<sup>®</sup> 55

Neutral cure, hybrid polymer building and construction adhesive

## PRODUCT DESCRIPTION

Sika<sup>®</sup> Hybriflex<sup>®</sup> 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.

## PRODUCT INFORMATION

|                    |  |
|--------------------|--|
| Chemical Base      | Hybrid polymer   |
| Packaging          | 600 ml foil  |
| Colour             | White  |
| 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. |
| Density            | Approx. 1.5 g/cm <sup>3</sup>  |

## TECHNICAL INFORMATION

|                     |   |
|---------------------|---|
| Shore A Hardness    | 55-60 (1 week)  |
| Tensile Strength    | 1.5 MPa   |
| Shrinkage           | < 5 %   |
| Elastic Recovery    | >70 % (ISO 7389)  |
| Chemical Resistance | Excellent (hypochlorite, dilute acid, dilute alkali, detergent, saline; 2 weeks immersion). |
| Service Temperature | -40 to +100 °C  |

|                                |                                     |
|--------------------------------|-------------------------------------|
| <b>Resistance to moisture</b>  | Excellent                           |
| <b>Elongation at Break</b>     | >25 % (ISO 8339)                    |
| <b>Ambient Air Temperature</b> | +5 to +35 °C                        |
| <b>Curing Rate</b>             | Approx ~1 mm/24 hours               |
| <b>Skin Time</b>               | 30-45 mins at 20 °C and 50 % RH     |
| <b>Tack Free Time</b>          | 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

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

- 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.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

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

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 Surface Cleaner. If priming is required prepare the substrate using Sika® Primer-3N for porous surfaces. If in doubt contact Sika® 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 current 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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