

PRODUCT DATA SHEET

SikaBond®-117 Quick

General-purpose Industrial grade Cyanoacrylate adhesive

DESCRIPTION

SikaBond®-117 Quick is a general-purpose industrial grade Cyanoacrylate adhesive with fast setting, high flow ability, and good penetration characteristics. It has been specially formulated to achieve the strongest possible bond between well-mated, non-porous surfaces, such as rubber, metals, plastics, etc. SikaBond®-117 Quick is a one-component, solvent-free system and does not require the use of a catalyst, heat or clamps. When a thin layer of SikaBond®-117 Quick applied between two surfaces comes into contact with atmospheric moisture, a rapid polymerization occurs producing the ultimate bond.

USES

For bonding with various substrates as indicated below :

Substrate	Approx Cure Speed
Steel to Steel	10 – 30 seconds
Stainless Steel	30 – 60 seconds
Aluminum	5 – 15 seconds
Zinc plated	30 – 90 seconds
ABS to ABS	5 – 10 seconds
ABS to NBR	3 – 5 seconds
ABS to Wood	5 – 10 seconds
NBR to NBR	3 – 5 seconds
Wood	50 – 60 seconds
Polycarbonate	20 – 60 seconds

Note: The rate of cure depends on the bond-gap. A smaller bond-gap results in faster the cure speed.

CHARACTERISTICS / ADVANTAGES

- Fast setting
- High flowability
- Good penetration characteristics
- Excellent grab with Rubber, Plastic & Metal in addition to various other substrates

PRODUCT INFORMATION

Chemical base	Ethyl Cyanoacrylate
Packaging	1 carton contains 20gmx 25 bottles
Appearance / Colour	Transparent, colorless to yellowish colored liquid (In cured condition Clear color)
Shelf life	12 months from the date of production
Storage conditions	Keep products in the unopened container in a cool and dry location. Best when stored at 5-25°C. Temperatures less than 2°C can adversely affect product properties. Keep container tightly closed until ready for use. For long-term storage, refrigeration at +2°C is recommended.
Flash point	80-95 °C (Method: Tag closed Cup)
Viscosity	1 – 5 cP (@ 25° C)
Specific gravity	≈1.05 (@ 25°C)

BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

- Use with proper ventilation. Avoid contact with skin and eyes.
- If contact with skin occurs, rinse with warm water or dissolve gradually with solvent such as acetone. Do not try to remove forcibly.
- If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately.
- Keep well out of reach of children.

- SikaBond®-117 Quick condenses by polymerization, sometimes whitening will occur on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with acetone.

NOTES ON INSTALLATION

Material removed from containers may be contaminated during use. Do not pour back any product to the original container.

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.

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.

APPLICATION INSTRUCTIONS

- Make sure the surfaces to be bonded are clean and dry (preferable to solvent-wipe plastics, glass, and rubber, and to acid-treat metals)
- Dispense a drop or drops to one surface only. Apply only enough to leave a thin film after compression.
- Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute. (Maximum strength is achieved in 24 to 48 hours)
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- **Wipe off excess adhesive from the top of the container** and recap MXBON® 105 if left uncapped, may deteriorate by contamination from moisture in the air.

