

Shin-Etsu Silicone Primer

X-33-253

X-33-253 is a one-part film forming primer for use with Shin-Etsu sealants on difficult to bond to coated and painted aluminum and a variety of plastic surfaces to promote adhesion and a more uniform and consistent bond, and faster adhesion build up.

X-33-253 should not be applied to glass surfaces of any kind.

Protect all surfaces where the primer is not required prior to application.

1 Applications

Plastic surfaces: GPPS, HIPS, PMMA, etc.

Painted surfaces: Aluminum and metals painted by fluoro polymer based resin, polyester powder coating and acrylic electro-deposition coatings

2 Packaging

250 g can, 15 kg can

3 General properties

Parameter	Product name	X-33-253
Color		Transparent light yellow
Viscosity		Low
Solvent		2-Propanol, Ethyl acetate, Isooctane
Drying time at 23°C/50%RH	min	30
Coverage rate	g/m ²	50

(Not specified values)

4 Instructions for use

X-33-253 is designed for improving adhesion to plastics and coatings. To achieve the optimum bonding results, the following steps are recommended:

1. Thoroughly clean the surface with a suitable solvent using the two cloth cleaning method to remove any dirt, oil or grease. Always allow time for the solvent to dry prior to the application of primer.
2. Decant the primer into a small container and apply within 10 minutes, replace the cap on the original container after use and keep it tightly sealed.

3. Apply X-33-253 using a clean lint free cloth, if using a brush ensure that only a thin film is applied. Do not over prime, a thin film of primer will provide the best results.

4. At room temperature and 50%RH, the primer coat should be allowed to dry for 30 minutes.

5. Once primer has been allowed to properly dry, apply RTV silicone sealant as directed.

5 Storage conditions

X-33-253 should be kept tightly sealed when not in use and store in temperatures below 27°C.

12 months after production date under the above.

6 Handling precautions

- 1) Seal container tightly and store in a cool, dark place (25°C or below, out of direct sunlight) with good ventilation. Keep away from heat and flame.
- 2) When painting, coating, curing or drying, it is important to keep the product away from heat and flame and provide adequate ventilation.

7 Safety and hygiene

- 1) Organic solvents which contain in PRIMER have skin irritancy. When handling the products, take care to avoid contact with the skin and mucous membranes by using protective glasses and protective gloves. In case of skin contact, immediately wipe off by a dry cloth and then flush thoroughly with running water. In case of accidental eye contact, flush immediately with a large amount of clean water for at least 15 minutes and then seek medical attention. Contact lens wearers must take special care when using the products: if the products enters the eye, the contact lens may become stuck to the eye.
- 2) In the small place, wear a protective mask, and recommend to construct a local exhaust ventilation there. Move to an area with fresh air immediately if you cause dizziness or other unpleasant symptoms by breathing of vapors.
- 3) Keep out of reach of children.
- 4) Be sure to read the Safety Data Sheets (SDS) for these products before use. SDS are available from the Shin-Etsu Sales Department.

CAUTION

- The data and information presented in this catalog may not be relied upon to represent standard values. Shin-Etsu reserves the right to change such data and information, in whole or in part, in this catalog, including product performance standards and specifications without notice.
- Users are solely responsible for making preliminary tests to determine the suitability of products for their intended use. Statements concerning possible or suggested uses made herein may not be relied upon, or be construed, as a guaranty of no patent infringement.
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Shin-Etsu Chemical Co., Ltd.

Marunouchi Eiraku Bldg., 4-1, Marunouchi 1-chome,
Chiyoda-ku, Tokyo 100-0005, Japan

Silicone Division, Sales and Marketing Department IV

Phone : +81-(0)3-6812-2411 Fax : +81-(0)3-6812-2415