

# Tech Hotline

## 81636 Sto Gold Coat Adhesion of Silicone Sealants

Several common brands of silicone sealant used in EIFS construction were tested by Sto Corp. Technical Services to investigate the adhesive bond of the sealant to 81636 Sto Gold Coat. The tests were performed by applying strips of sealant to cured 81636 Sto Gold Coat. The sealant was tooled to produce consistently dimensioned applications, to consolidate the sealant, and to assure intimate contact with the substrate. Hand-pull peel adhesion tests were performed 7 days and 21 days after the sealant was applied to the substrate. Each sealant was tested with and without the primer recommended by the respective sealant manufacturer. Test results are summarized below:

Sealant	Primer	7-day Adhesion	21-day Adhesion
Dow 790	None	Poor	Poor
	1200 OS	Satisfactory	Satisfactory
Dow 795	None	Poor	Satisfactory
	1200 OS	Satisfactory	Satisfactory
Pecora 890	None	Satisfactory	Satisfactory
	P 150	Satisfactory	Satisfactory
Pecora 895	None	Satisfactory	Satisfactory
	P 150	Satisfactory	Satisfactory
Spectrem 1	None	Satisfactory	Satisfactory
	TREMprime Silicone Porous Primer	Satisfactory	Satisfactory
Spectrem 3	None	Satisfactory	Satisfactory
	TREMprime Silicone Porous Primer	Satisfactory	Satisfactory

Based on the laboratory test results above, Sto Corp. recommends that Dow 1200 OS Primer always be used when Dow 790 sealant is being applied to 81636 Sto Gold Coat.

The testing performed by Sto Corp. is a limited screening test. The sealant manufacturer must also be consulted for their test results and recommendations, and field adhesion testing should be performed to verify that the primer/sealant combination meets project requirements.