



TECHNICAL DATA SHEET

OBIC Prime 1503S

Steel Primer

Description

OBIC Prime 1503S is a fast curing modified urethane primer which is formulated for excellent cure profile. It is specifically formulated for excellent adhesion to OBIC polyurea and polyurethanes. Adheres strongly to properly prepared steel substrates for long service life in harsh conditions.

VOC compliant, fast cure urethane steel primer. It should mixed 1 part A to two parts B and does not require thinners.

Packaging, Storage & Shelf Life

OBIC Prime 1503S is available in 3 gallon and 15 gallon kits. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions in factory sealed containers.

Safety

Read and Review entire SDS prior to use. Basic safety for personal protection: Avoid contact with eyes and skin, long sleeve overalls or disposable overalls, splash shield or safety glasses with splash guard, do not inhale or ingest, wear respirator or fresh air hood, and spraying indoor requires forced ventilation.

Component Properties

Property	Value
Mix Ratio, By Volume A to B	1:2
Solids, By Volume	25%
Solids, By Weight	48%
VOC's lbs/mixed Gallon	2.8
Recommended Thickness	0.5-1.5 mils dft
Coverage Per Gallon	1,600+ sq ft
Application Temp	30-100°F
Cure to Touch at 70°F	5 minutes
Pot Life at 70°F	2 hours
Recoat Window at 70°F	5-120 minutes

Physical Properties

Property	Value
Adhesion to Concrete	> 400 psi

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

For further detail contact an OBIC Technical Representative for application training.



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Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion. Minimum recommended surface preparation:

Concrete & Masonry: SSPC-SP13/NACE 6 or ICRI No. 310.2R-2013, CSP 3-5. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F (24°C). Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with recommended repair material. Controlled high pressure water cleaning is suitable.

Moisture Content: use calcium chloride test: 3 lb./24 hr./1,000 ft². Concrete shall be 5% maximum as per ASTM F2170 & ASTM F2420. Substrate and air temperature must be 5°F above dew point and rising before material application.

Check for soluble salts on surfaces to be coated. If amount of soluble salts exceeds recommended limits, treat accordingly. Repeat process until acceptable limits are reached. Maximum amounts of soluble salts (micrograms per square centimeter): Chlorides - 3 immersion, 7 non-immersion. Nitrates - 5 immersion, 10 non-immersion. Sulfates - 10 immersion, 20 non-immersion.