



ALIPHATIC URETHANE COATING 530C CLEAR 530C COLOR 530S SEALER

By Imco®

DESCRIPTION

530 Moisture Cure Urethanes are an extremely durable, single component maintenance coating system having unsurpassed weatherability and color stability.

BASIC USES

530S is used as a chemical and abrasive resistant sealer for concrete floors, walls, parapets etc. The exceptional ultra-violet stability of the **530S** system permits interior and exterior use.

530C is a single-component, high gloss, clear, or two component color used as a chemical and abrasion resistant top-coat over a variety of primers for steel and concrete in industrial and marine environments. It is particularly effective as the chemical and weather resistant coat over the 510A ALUMINIZED URETHANE PRIMER.

Used to protect structural steel, tanks, piping, steel roofs, concrete floors etc., and as an extremely durable clear or colored anti graffiti protective coating.

MAJOR ADVANTAGES

- Ultra-violet stability
- Excellent chemical resistance
- High degree of flexibility and mar resistance
- Excellent abrasion resistance
- Exceptional gloss retention and chalk resistance

Flash point		26°C(80°F)	Mandrel Flexibility		1/8"
Solid by volume			Impact Resistance		Direct 160in lb
	530S	20%	Finish		High gloss
	530C Clear	40%	No. of Components		Clear—One
	530C Color	50%			Color—Two (Part A & Part B)
Tensile strength		4500 psi (31 MPa)	Packaging		4L/20L pail, 200L drum (1 gal/5 gal pail, 55 gal drum)
Cure time	Touch	2 to 3 hrs	Coverage	530S	9.2m ² (100sf)/L/coat (400sf/g)
	Recoat	3 to 6 hrs		530C	4.6m ² (50sf)/L/coat (200sf/g)
Mar free		12 to 24 hrs	Primer	530S	None
Sward Hardness				530C	Concrete, use 530S
	1 day	34		530C	Steel, use 510A
	1 wk	36	Clean-up		Use 585 Urethane Solvent
Taber abrasion			Colours	530S	Clear
	CS-17	20mg loss		530C	Clear and range of colours
Elongation		100%	Shelf Life		6 months at 5-24°C (41-75°F) Inside storage away from direct heat

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APPLICATION INSTRUCTIONS

Correct surface preparation is of the utmost importance. Surface must be sound, clean, dry and free of oil, grease or any other contaminants. Obvious damaged areas must be repaired before the application of the coatings. New concrete must be 28 days old before coating and all traces of curing compound must be removed. Smooth troweled or surface hardened concrete floors require mechanical or chemical etching to ensure adhesion. For applications over steel sandblasting to a minimum SSPC-SP 6 Commercial Blast is recommended. For immersion service an SSPC-SP 10 White Metal Blast is essential. When overcoating the 530 system, apply the second coat as soon as the first coat is touch dry. Do not allow the first coat to fully harden as intercoat adhesion may be affected. If more than 24 hours elapses between coats, sand well before applying second coat. The 530 coatings can be applied by brush, roller or spray. For conventional spray applications use De Vilbiss MBC or JGA spray guns with an "E" Fluid Tip. The recommended atomizing pressure is 40 to 60 psi with a pot pressure of 15 to 30 psi depending on site conditions. Airless spray applications require a minimum tip pressure of 2500 psi and a tip range of 15 to 20 thou. **530C** may be thinned for spraying using 585 URETHANE SOLVENT only at a maximum rate of 10%. **530C COLOR**—mix Parts A and B well before applying.

CONCRETE SEALING

530S is applied directly to clean substrate by brush, roller or spray at the rate of approximately 10m²/litre (400sf/g). DO NOT LEAVE PUDDLES. On porous substrates a second coat applied at 10m²/litre (400sf/g) may be required. If a non-slip surface is required, silica sand may be broadcast into a wet coat of **530C**. When dry, the excess sand is swept or vacuumed and a second **530C** is applied to seal in the non-slip aggregate. For a colored concrete coating **530C COLOR** can be applied over the **530S SEALER** coat. For best results two color coats of **530C COLOR** are recommended over the **530S SEALER** coat

STEEL COATING

Apply the **530C** in multiple coats over sandblasted and primed steel. Prime using 510A ALUMINIZED URETHANE PRIMER. **530C** can also be used as the chemical resistant urethane finish coat over a variety of priming systems, including zinc rich primers.

SPECIAL HANDLING

Clean-up with 585 URETHANE SOLVENT before coatings dry. Keep in tightly closed containers to prevent contamination with moisture. Store in a cool, dry place, preferably under 27°C (81°F) to insure stability of at least 6 months in original unopened containers. Use normal precautions such as gloves, coveralls, eye protection and face mask with cartridges approved for inorganic vapours. When spraying, free isocyanates may be present; use air-fed, full face mask. May cause sensitization in susceptible individuals. Protect skin with barrier creams. Wash skin contact areas thoroughly with lukewarm water. Eye contact; flush with copious amounts of water and obtain medical attention immediately. Maintain adequate ventilation in enclosed areas.

SAFETY

Please refer to MSDS at www.imcotechologies.com.

WARRANTY DISCLAIMER

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