CARBIT®
COATING SOLUTIONS

PRODUCT DATA SHEET
GLOSS ACRYLIC WATER BASE
386 SERIES

DESCRIPTION

386 Gloss Acrylic is a high performance water based enamel designed for commercial and light industrial environments. It is a self-priming coating intended for new or previously painted interior and exterior surfaces: steel, galvanized steel, aluminum, concrete, wallboard, cured plaster, cement-board, wood, MDO and fiberglass.

USE

- Interior or exterior
- New or previously painted surfaces
- Brush, roll or spray
- Walls, floors, doors and railings
- Multi-surface: steel, galvanized steel, aluminum, concrete, wallboard, cured plaster, cement-board, wood, MDO and fiberglass.

BENEFITS

- Excellent color and gloss retention
- Very fast dry and block resistant
- DTM - apply direct to metal
- Early moisture resistance
- Low odor and very low VOC
- Rust Resistant

PREPARATION

Clean to provide a sound [1] surface free of dust, wax, rust and oil. [2]

New Surface - Specifics	Previously Painted Surface - Specifics
WOOD: Counter-sink nails and prime and putty nail holes. Prime bare wood to avoid variation in gloss. *CAST CONCRETE:* Allow 30 days to cure. Remove form releases or curing agents that prevent paint adhesion. *CONCRETE BLOCK (CMU):* Prime light weight or split face block with acrylic blockfiller. *FERROUS METALS:* Remove oils and light rust stains. *GALVANIZED METAL: Remove white rust (zinc oxide) and waxes used to protect metal while in storage. ALUMINUM:* Scuff sand with fine non-woven abrasives.	*WOOD:* Remove chalky residue, oils, waxes and non-adherent paint. Counter-sink nails and prime and putty nail holes. Sand edges of remaining paint film smooth. Spot prime bare wood to avoid variation in gloss. *CONCRETE:* Remove waxes, oils, efflorescence and non-adherent paint. Fill spalled areas and non-dynamic cracks prior to coating. *METALS:* Remove chalky residue, oils, waxes, non-adherent paint and rust.

THINNING & CLEAN UP

Not normally required. Use clean water if necessary to accommodate application. Spills and overspray can be cleaned up immediately with water. Use **SGS** Spray Gun Cleaner to remove dried coating from tips, paint guns and equipment.

386 dries and cures very quickly . When not in use, wrap brushes and rollers in plastic and immerse the spray gun in a pail of water.

SGS Spray Gun Paint Stripper can help restore brush and rollers and clean spray guns.

1. SAFE - low odor, nonflammable, non-caustic
2. ECO-FRIENDLY - biodegradable, low VOC
3. ECONOMICAL - long lasting
4. EFFECTIVE - softens industrial coatings

APPLICATION

386 may be applied by brush, roller or sprayer. Use a high quality brush or lint free 1/4" to 3/8" nap roller. Load the applicator and spread the paint back into the previously applied paint. It is important to maintain a wet edge to avoid lap marks.

Apply when the air, product, and surface temperatures are above 60°F (15°C), less than 90°F (32°C) and at least 5°F (3°C) above the dew point. Avoid painting in direct sunlight.

Spray Type	Tip or Nozzle Size	Fluid Pressure (psi)	Air Pressure (psi)
Airless	.011-.013"	1500	n/a
HVLP	.046-.055"	5-10	30-40
Conventional Pressure	.046-.055"	5-10	30-40
Conventional Siphon	.055-.070"	n/a	35-45

Floors: 386 is an excellent easy to maintain floor coating. Apply two coats. Add four ounces of 120 mesh light weight anti-skid aggregate to the first coat to increase slip resistance. Increase the amount if more roughness is desired. Apply a final thin coat of coating to lock down the aggregate.

DRYING AND CURING [3]

ASTM D1640 @ 70° F & 50% R.H.	
Application rate	.003" WFT (.001" DFT)
Set-to-touch	20 min.
Dry-to-touch	30 min.
Dry-hard	35 min.
Dry-through	40 min.
Dry-to-recoat	60 min.
Light Foot Traffic	2 hours
Rubber Wheeled Carts	4 hours

The time required for a coating to dry and cure is affected by application rate, air movement and surface and air temperature. As needed, reduce application rate, increase air movement and raise air and part temperature to speed drying and curing of the product.

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TYPICAL PROPERTIES

COLORS	See charts	FLASH POINT (Setaflash Closed Cup)	> 212°F
GLOSS - 60°	> 80+	PACKAGING	5 and 1 gallon
SATIN GLOSS - 60°	25 ± 5	CHEMICAL RESISTANCE (MEK Rubs) [6]	Poor
QUV - ASTM-G53 without condensation - 340 nm lamp, 1000 hrs	Gloss (no chg) Color <0.1Δe	HEAT RESISTANCE - 107°C (275°F) - 4 hours	Color Shift <0.4 Δe
SOLIDS BY WEIGHT [4]	49% ± 1%	THEORETICAL COVERAGE	786 ft²/gal @ 1.0 mil dry
SOLIDS BY VOLUME [4]	38% ± 1%	RECOMMENDED COVERAGE	393 ft²/gal @1.5 mil dry [4,5]
PENCIL HARDNESS [6]	HB	ADHESION (D3359) [6]	5B (CRS and aluminum)
IMPACT (D2794 direct/inverse)	pass 80/80 lbs.	HUMIDITY (D2247 - 3 mils dft) [6]	100 HRS - Pass, zero blisters
VISCOSITY (Stormer)	75 KU ± 2	VOC	<100 g/l, .83 lbs/gal
WT/GALLON [4]	9.9± .1 lbs.	SHELF LIFE	1 Year - Protect from freezing

[1] A sound substrate has sufficient internal strength upon which the coating can bond. Apply and remove masking tape from the surface to test it's soundness. If the tape removes portions of the substrate it is unsound and should not be coated before remediation.
[2] Water base paints will not adhere to oil, grease or wax. If unsure, apply a test area and check adhesion after overnight cure by cutting an "X" with a razor blade into the coating and then apply and remove masking tape. Removal of the coating by the tape indicates the presence of contamination.
[3] The time required for the coating to dry and cure is affected by application rate, air movement and surface and air temperature. As needed, reduce application rate, increase air movement and raise air and part temperature to speed drying and curing of the product.
[4] Solids based on 386W16 Station White. Solids will vary with color with Gloss Black being the lowest at 33% Volume Solids.
[5] Assumes 75% material transfer. Different methods of application, surface irregularities and application conditions can significantly reduce the coverage rate.
[6] All physical performance tests were performed after 7 days of ambient cure unless otherwise noted. Average dry film thickness for three panels was .001". Humidity tests were conducted on one coat of 387E49 applied to CRS and to aluminum with the same results.

★Chicago Transit Authority Station Colors

Product #	Color	Fed. Spec. #	Gloss Reading
386A1	Black	FS17038	Gloss
386A3	Black	FS37038	Flat
386B12	Bright Blue ★		Gloss
386D0070	Brown ★	FS10070	Gloss
386D0400	Structure Tan ★		Gloss
386E5	Stone Gray ★	FS26176	Semi Gl
386E6375	Granite Gray	FS36375	Gloss
386E6515	Light Gray	FS16515	Gloss
386E8	Twilight Gray		Gloss
386G100	Bin Green ★		Gloss
386G69	Green ★	FS14066	Gloss

Product #	Color	Fed. Spec. #	Gloss Reading
386G8	Dark Green		Gloss
386R1	Fire Red		Gloss
386R100	Pink ★		Gloss
386R251A	Tile Red		Satin
386R29	Purple ★	FS17100	Gloss
386R8	Red★	FS11140	Gloss
386W1	White		Gloss
386W17	Station White ★	FS17722	Gloss
387Y8	Medium (Safety)Yellow★	FS13538	Gloss
386Y71	Orange ★		Gloss
386Y90	Bright Yellow		Gloss

SAFETY PROTECT FROM FREEZING. CAUTION! Do not take internally. Close container after each use. KEEP OUT OF REACH OF CHILDREN. Consult product MSDS for additional warnings and precautions.

SHELF LIFE 1 year inside storage, normal temperature. Protect from freezing.