Rowland Unified School District

Rowland High School

Scope of work for fence replacement

CHAIN LINK FENCE CRITERIA

Replace approx. 1,215' X 8' tall existing chain link fencing with 8 gauge black vinyl coated chain link fence with 2" mesh openings.

Replace approx. 1,478' X 6' tall existing chain link fencing with 8 gauge black vinyl coated chain link fencing with 2" mesh openings.

Replace all 17 gates along the entire 2,693' of fencing. Please reference gate diagram.

SCOPE OF WORK/SPECIFICATIONS

- 1) Remove and dispose of existing chain link fencing approx 2,693 linear ft. including all posts, post footings, gates, tension wire, and top rail.
- 2) All Line Posts are to be 2 $\frac{3}{8}$ " diameter, schedule 40 galvanized steel pipe vinyl coated black spaced at a maximum of 10 feet apart.
- 3) Gate posts are to be 2 1/8" diameter schedule 40 steel pipe vinyl coated black for gates up to 5' feet in width and up to 6' feet tall.

All gate posts for gates 8' or taller will require 4" diameter posts and be constructed with schedule 40 steel pipe vinyl coated black.

- 4) Install new top, middle, and bottom rail on approximately 1,215' linear ft. of new vinyl coated 8' fencing. New top, middle,and bottom rails are to be vinyl coated black and be $1 \frac{5}{8}$ " diameter schedule 40 galvanized steel pipe.
- 5) Install new top and bottom rail only on approximately 1,478' linear ft. of new vinyl coated 6' fencing. New top and bottom rails are to be vinyl coated black and be $1 \frac{5}{8}$ " diameter schedule 40 galvanized steel pipe.
- 6) Replace all fence and gate hardware, including: gate hinges, tension bars, tension bands, brace bands, rail ends, eye top, hog rings, ties, etc. All to be vinyl coated black
- 7) Chain link Wire will be a 9 gauge core coated with black vinyl creating an 8 gauge finish with top and bottom knuckle finish on the approx 2,693' linear feet of chain link fencing.
- 8) All nuts, bolts, and washers are to be galvanized painted black after installation.

Phase II Interior Fence North Side of Football Stadium

CHAIN LINK FENCE CRITERIA

Replace approx. 500' X 8' tall existing chain link fencing with 8 gauge black vinyl coated chain link fence with 2" mesh openings.

Replace all 20 gates along the entire 500' of fencing. Please reference gate diagram.

SCOPE OF WORK/SPECIFICATIONS

- 1) Remove and dispose of existing chain link fencing approx 500 linear ft. including all Gates, railing, and wire.
- 2) Remove and replace 9 posts with footings on the north west end that are in the dirt.

 All new Line Posts are to be 2 ¾" diameter, schedule 40 galvanized steel pipe vinyl coated black spaced at a maximum of 10 feet apart.
- 3) Remove existing 8' gate post that is 2 %" and replace with 4" diameter gate post and be constructed with schedule 40 steel pipe vinyl coated black. Post to be removed will be marked at its base with orange paint by district personnel.
- 5) Existing fence posts that are embedded in concrete are to remain except **one** that is bent. It will be marked at its base with orange paint by district personnel. Remove and replace the single post, with $2 \frac{3}{6}$ schedule 40 galvanized steel post vinyl coated black. Cut down all existing and new posts to 7'9".
- 6) Install new top, middle, and bottom rail on approximately 500 linear ft. of new vinyl coated 8' fencing. New top, middle, and bottom rails are to be vinyl coated black and be 1 \(^{5}\)8" diameter schedule 40 galvanized steel pipe.
- 7) Replace all fence and gate hardware, including: gate hinges, tension bars, tension bands, brace bands, rail ends, eye top, hog rings, ties, etc. All to be vinyl coated black
- 8) Chain link Wire will be a 9 gauge core coated with black vinyl creating an 8 gauge finish with top and bottom knuckle finish on the approx 2,693' linear feet of chain link fencing.
- 9) Clean, primer and paint all post with with the materials listed on the spec sheet included.
- 10) All nuts, bolts, and washers are to be galvanized and painted black after installation.

All Contractor employees are not to communicate with students and staff and All **fence hardware** and **fittings** shall be heavy duty & galvanized. All **gate hinges** shall be commercial duty & galvanized and welded in place. All **gate frames** shall be constructed with 1 7/8" diameter, schedule 40, galvanized steel pipe (minimum) and vinyl coated black. **Corners** and **end-posts** shall be box-braced.

Tie Wires = 9 gauge, galvanized black vinyl coated.

Tension Wire = 7 gauge, galvanized, coil-spring tension wire black vinyl coated.

Line/Gate/Corner Post footing specifications

6' tall fence line posts footings shall be 10" diameter (min) and a footing depth of 24"

6' tall corner posts shall have a footing 12" diameter and a depth 36"

6' tall gate posts shall have a footing 12" diameter and a depth of 36" unless the gate post is wider than 10' gate post depth should be 42" and diameter of 12" 8' tall fence line posts footings shall be 12" diameter (min) and a footing depth of 30" (min).

8' tall corner posts shall have a footing 12" diameter and depth of 36" (min).

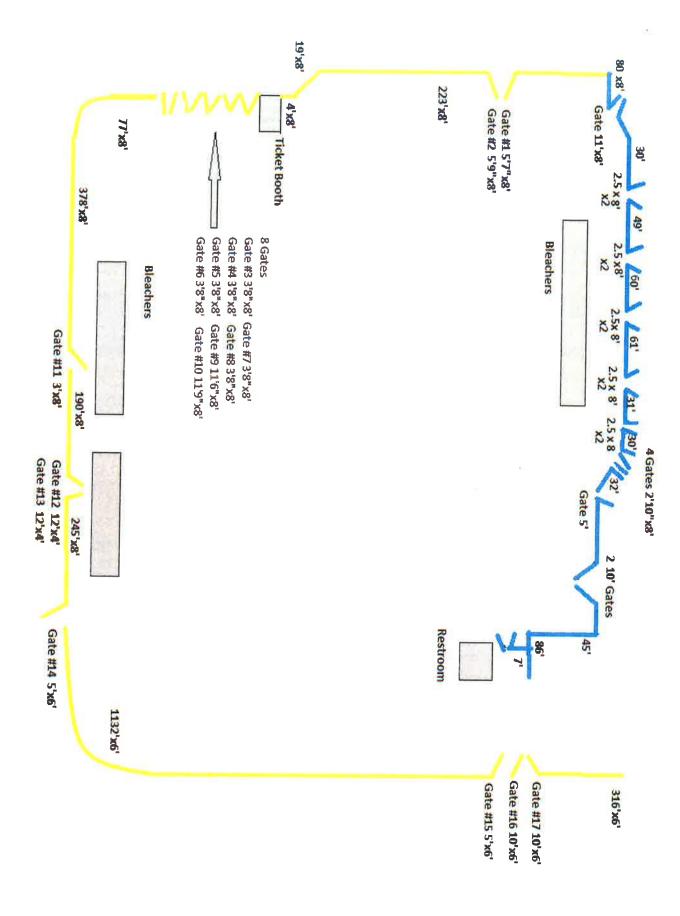
8' tall gates wider than 10' shall have a gate post footing depth of 42" and diameter of 12".

ALL footings shall be constructed with 3000 psi concrete, dome-finish (crowned) top of footing concrete, above adjacent finished surfaces.

Contractor is to provide porta-potty and wash station facilities and trash receptacle(s) for his/her employees for the duration of the project. Trash receptacle is to be emptied daily and toilet(s) & wash station(s) maintained as specified by toilet vendor. Location of the above items is to be approved by a District Representative.

Contractor's staging area/material lay-down area is to be designated by a District Representative.

Public sidewalks shall be kept clear of debris and open for public pedestrian use at all times. At no time shall pedestrians be forced onto the street for passage. At the end of each work day the Contractor shall clean the affected area and "safe-off" any open holes and/or trenches so as not to pose a safety hazard to



Rowland High School





PC326 - 32 oz Spray

Pre-Paint Cleaner / TSP Subst

ABOUT PRE-PAINT CLEANER / TSP SUBSTITUTE

Cleans and deglosses surface so paint adheres better. Use and polyurethane, or as a wall preparation prior to wallpaper smoke, mildew, food stains, heel marks, crayon, old wallpaper unpainted wood, metal, or vinyl wallpaper. Do not use on por

Removes:

✓ Dirt	✓ Grease	✓ Grime
✓ Nicotine	✓ Mildew	✓ Food S
✓ Heel Marks	Crayon	V Old Wa

Features:

Prepares surfaces prior to painting Improves paint adhesion No unpleasant odour No-rinse formula

Technical Documents

Pre-Paint Cleaner / TSP Substitute Technical Data Sheet

SKU	Color	UPC	Si
PC326	KRDKUT QT 6PK TRG NO RINSE PREPAINT CLNR	618818610009	



Note: To view the SDS or TDS you



KRUD KUTTER® PRE-PAINT CLEANER TSP SUBSTITUTE

DESCRIPTION AND USES

Krud Kutter[®] Pre-Paint Cleaner TSP Substitute cleans and de-glosses surfaces prior to painting. It is a ready-to-use, spray on-wipe off formula that cleans and de-glosses surface so paint adheres better.

Use on all paints, varnish, lacquer, and polyurethane, or as a wall preparation prior to wallpapering. Removes dirt, grease, grime, smoke, mildew, food stains, heel marks, crayon, old wallpaper paste, and wax from painted or unpainted wood, metal or vinyl wallpaper. Do not use on porous or non-washable wallpaper.

MAY BE PAINTED OVER ANYTIME AFTER 10 MINUTES!

FEATURES

- Water-based
- Biodegradable
- Non-Toxic
- Non-flammable

PRODUCT

SKU	DESCRIPTION	
PC326	32 Oz.Trigger Sprayer	

PRODUCT APPLICATION

DIRECTIONS

Always pre-test before use. Do not dilute. Use full strength. Pre-moisten rag, cloth, or sponge with Pre-Paint Cleaner. Spray directly on surface, and blot away any overspray immediately. Apply pre-moistened cloth to surface in a circular motion. Wipe off with a clean cloth, turning often to avoid smears. When the clean, de-glossed surface is dry to the touch (usually about 10 minutes), new paint finish can be applied. Repaint when dry, or within a week, before soiled again.

CAUTION: EYE AND SKIN IRRITANT. In case of contact with eyes or skin, flush with water for 15 minutes. If irritation persists, seek medical attention. If swallowed, take large amounts of water. **Do not induce vomiting.** Get medical attention.

NO PETROLEUM SOLVENTS, BLEACH OR AMMONIA. KEEP OUT OF REACH OF CHILDREN.

PHYSICAL PROPERT	TES TESTINE TO THE TE	
	PRE-PAINT CLEANER TSP SUBSTITUTE	
Composition	Proprietary Blend of Biodegradable Surfactants, Detergents and Emulsifiers	
Color	Clear	
рН	<12	
VOC	1% by weight	
Practical Coverage	32 ounces – 50-75 square feet	
Shelf Life	NA	
Flash Point	Non-flammable	
Caution	CAUTION: EYE AND SKIN IRRITANT. In case of contact with eyes or skin, flush with water for at least 15 minutes. If irritation persists, seek medical attention. If swallowed, take large amounts of water. Do not induce vomiting. Get medical attention. KEEP OUT OF REACH OF CHILDREN.	
Safety Information	For additional information, see SDS	

The technical data and suggestions for use contained herein are correct to the best of our knowledge, and offered in good faith. The statements of this literature do not constitute a warranty, express, or implied, as to the performance of these products. As conditions and use of our materials are beyond our control, we can guarantee these products only to conform to our standards of quality, and our liability, if any, will be limited to replacement of defective materials. All technical information is subject to change without notice.



Form: GDH-527

Rev.: 011819



ULTRASHIELD® Interior/Exterior Galvanized Metal Primer **ULGMOO-WH**





DESCRIPTION: ULTRASHIELD® Galvanized Metal Primer is a premium, high performance, ultra-low VOC, low odor, single component, interior/exterior non-ferrous and interior ferrous metal primer. It provides excellent adhesion to properly prepared and etched galvanized metal and other non-ferrous metals: aluminum, brass, and copper. It is formulated to provide excellent application properties and very good hide. FOR METAL SUBSTRATES ONLY.

PRODUCT INFORMATION

RESIN TYPE: Acrylic Copolymer SOLVENT TYPE: Waterborne FINISH (ASTM D 523): 7-12% on a 60° meter COLORS: White. ULTRASHIELD Galvanized Metal Primer may be tinted with up to 2 ff. oz. of Dunn-Edwards ZTC Zero VOC colorant per callon. TINT BASES: White VISCOSITY@77°F/25°C (ASTM D 562): 95-105 KU **MAXIMUM VOC CONTENT** MAXIMUM RAVOC (Reactivity-Adjusted VOC) 50 g/L (as supplied) 20 g/L SOLIDS BY VOLUME (ASTM D 2697) SOLIDS BY WEIGHT 41.6% 54.1% WEIGHT PER GALLON (ASTM D 1475): 10.57 lbs. COMPOSITION BY WEIGHT Pigment-29.2% Vehicle-70.8% Acrylic resins22.7

*Prime pigments.....10.3 Reinforcing pigments18.9 Water & additives48.1

Prime pigments include titanium dioxide (TiO₃), plus all other pigments directly adding to the hiding power of this paint.

RECOMMENDED FILM THICKNESS PER COAT

Wet: 4.8 mils Dry: 2.0 mils

PRACTICAL COVERAGE PER COAT AT RECOMMENDED DRY FILM THICKNESS Approximately 275-325 sq. ft. per gallon, depending on surface conditions and application techniques.

THINNING RECOMMENDATION: This coating is intended to be applied without thinning or diluting under normal environmental and application conditions, if necessary to maintain good workability, add up to 1/4 pint (4 fl. oz.) of clean water per gallon of coating.

AVERAGE DRY TIME@77°F/25°C (ASTM D 1640)

To touch: 30-60 minutes Recoat: 2-4 hours

Dry times and recoat times are temperature, humidity and film thickness dependent.

APPLICATION EQUIPMENT: Brush, roller, airless spray.

PACKAGING: Quart, one-gallon, five-gallon containers

STORAGE: Store in a dry area. Protect from freezing. Protect from temperatures above 110°F for extended periods of time. Extreme temperatures may cause paint to become unusable. See Paint Storage Best Practices Technical Bulletin at dunnedwards.com for more information.

CLEANUP: Warm, soapy water

DISPOSAL: For information on local options to dispose of unwanted leftover paint, call Dunn-Edwards Customer Service at (888) DE PAINT or visit www.dunnedwards.com. Do not mix with other products.

CONFORMS TO: ARB 2007 SCM & CALGreen 2013; LEED 2009 IEQ Credit 4.2

SAFETY DATA SHEET: Available at www.dunnedwards.com

SURFACE PREPARATION: All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bond-breakers. and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulied to provide a roughened surface for good adhesion.

SPECIAL INSTRUCTIONS

- CAUTION: Scraping or sanding surfaces of older buildings (especially pre-1978) may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH, Always weer appropriate personal protective equipment during surface preparation, and finish cleanup of any residues by water-washing all surfaces. For more information, see Dunn-Edwards brochure on "Surface Preparation Safety" or call EPA's National Lead Information Hotline at 1-800-424-LEAD, or log onto www. epa.gov/lead or/asbestos, or contact your state or local Health Department
- This product can neither cause nor prevent or cure the growth of mold. mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth. Correct any such conditions before painting.
- Due to the various types of surfaces, always test a few different areas for adhesion.
- Galvanized metal must be cleaned with a solvent or a water-soluble degreasing cleaner to remove all oils prior to etching. Change wiping material and cleaning solution frequently so the oils are removed from the surface, not just spread around. Surface should then be etched with Supreme Chemical Metal Clean & Etch (SC-ME01-1).
- ULTRASHIELD Galvanized Metal Primer must be recoated within 7 days to ensure proper adhesion of the finish coat.
- Do not apply when the air or surface temperature is below 50°F. Avoid using if rain or snow is expected within 2-3 hours, as in colder temperatures, it may require longer time before the paint film cures enough not to be affected by rain or snow

PRIMERS

METAL

Ferrous:

ULTRASHIELD® Galvanized Metal Primer (ULGM00) -

INTERIOR ONLY

Non-ferrous:

ULTRASHIELD® Galvanized Metal Primer (ULGM00)

3/18 (6/16)



ENDURA-COAT®

Interior/Exterior Semi-Gloss
Industrial Maintenance Coating
ENCT50







DESCRIPTION

ENDURA-COAT® is a high performance, interior/exterior, low VOC, direct to metal, water-based acrylic Industrial Maintenance Coating with excellent adhesion and corrosion resistance. It can be used on properly prepared primed wood, masonry, plaster or drywall. ENDURA-COAT can be used as a direct-to-metal coating on properly cleaned and prepared metal substrates. For maximum protection, use of a substrate specific primer is always recommended.

For Professional Use Only. Not for residential use. (See SPECIAL INSTRUCTIONS re: Within SCAQMD.)

PRODUCT DATA

SOLVENT TYPE: Waterborne

FINISH: Semi-Gloss: 40-50% on a 60° meter

RESIN TYPE: Acrylic

COLORS: Stock Colors: Black, Safety Red, Safety Yellow. Other colors can be special ordered or store mixed.

colors can be special ordered or store mixed.

TINT BASES: L Tintable White, M Medium, U Ultra Deep

VISCOSITY@77°F/25°C (ASTM D 562): 94-100 KU

MAXIMUM VOC CONTENT: 100 g/L

MAXIMUM RAVOC (Reactivity-Adjusted VOC): 55 g/L

SOLIDS BY VOLUME (ASTM D 2697): $40.5\% \pm 2\%$

SOLIDS BY WEIGHT: 53.6% ± 2%

WEIGHT PER GALLON (ASTM D 1475): 10.62 lbs.

COMPOSITION BY WEIGHT

Pigment-25.9%	Vehicle-74.1%	
*Prime pigments25.0	Resins24.1	
Reinforcing pigments 0.9	Water & additives50.0	
*Prime pigments include titanium dioxide (TiO ₂), plus all other pigments directly		
adding to the hiding power of this paint.		

RECOMMENDED FILM THICKNESS PER COAT

Wet: 3.7 mils Dry: 1.5 mils

PRACTICAL COVERAGE PER COAT AT RECOMMENDED DRY FILM THICKNESS

Approximately 375-425 sq. ft. per gallon, depending on surface conditions and application techniques.

THINNING RECOMMENDATION: This coating is intended to be applied without thinning or diluting under normal environmental and application conditions. If necessary to maintain good workability, add up to 1/4 pint (4 fl. oz.) of clean water per gallon of coating.

AVERAGE DRY TIME@77°F/25°C (ASTM D 1640)

To touch: 1-2 hours

Recoat: 2-4 hours

Dry times and recoat times are temperature, humidity and film thickness dependent.

PACKAGING: One gallon containers

STORAGE: Store in a dry area. Protect from freezing. Protect from temperatures above 110°F for extended periods of time. Extreme temperatures may cause paint to become unusable. See *Paint Storage Best Practices* Technical Bulletin at dunnedwards. com for more information.

CLEANUP: Warm, soapy water

DISPOSAL: For information on local options to dispose of unwanted leftover paint, call Dunn-Edwards Customer Service at 1-888-DEPAINT or visit www.dunnedwards.com. **Do not mix with other products**.

SAFETY DATA SHEET: Available at dunnedwards.com

APPLICATION

TEMPERATURE: 50°F minimum, 90°F maximum (air, surface and material). Surface temperature must be at least 5°F above dew point.

RELATIVE HUMIDITY: 85% maximum

AIRLESS SPRAY	BRUSH	ROLLER
PRESSURE: 1800-2500psi	Polyester/Nylon	1/4"-3/8" nap
TIP: .013"017"		

CONFORMS TO

ARB 2007 SCM & CALGreen 2016; LEED 2009 IEQ Credit 4.2; MPI Approved Product #153,163

ASTM TEST METHODS

ADHESION (to properly primed surfaces)

METHOD: ASTM-D3359
RESULT: Excellent (4B)

ACCELERATED WEATHERING

METHOD: ASTM-D4587, 2000 hours

RESULT: Gloss Retention: Excellent (100%)

Color Retention: $\Delta E < 0.88$

CORROSION RESISTANCE (1 prime coat + 1 topcoat)

METHOD: ASTM-G- 85. A5, 504 Hours

RESULT: Pass

PENDULUM HARDNESS

METHOD: ASTM-D4366, 7 days cure, >25 counts

RESULT: Excellent

ASTM TEST METHODS (cont)

FLEXIBILITY

METHOD: ASTM-D522, 180° bend, 1/8" mandrel

RESULT: Pass

PENCIL HARDNESS

METHOD: ASTM-D3363 **RESULT:** Excellent (4H)

CHEMICAL RESISTANCE

METHOD: ASTM-D1308

RESULTS: WD-40 = Pass

Windex = Pass 409 = PassFantastik = Pass Chlorox Bleach = Pass IPA (99%) = Pass

Sulfuric Acid (50%) = Pass

Motor Oil = Pass

SURFACE PREPARATION

All surfaces must be cured, clean, dry, and free from dirt, dust, rust, stains, grease, oil, mildew, wax, efflorescence, bondbreakers, and other contaminants. Remove all loose, peeling, or chalky paint by sanding, scraping, or other appropriate methods. Repair all cracks, holes, and other surface imperfections with a suitable patching material. Repaired surfaces should then be sanded smooth and dusted clean. Glossy surfaces should be dulled to provide a roughened surface for good adhesion.

FERROUS METALS

Remove all oil and grease from surfaces per SSPC-SP1. Minimum surface preparation is Hand Tool Clean per SSPC-SP2. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primers are recommended for maximum performance.

ALUMINUM

Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1. Apply appropriate bonding primer for maximum performance.

GALVANIZED METAL

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first clean per SSPC-SP1 and apply a test patch of the appropriate galvanized metal primer. Allow patch to dry at least one week before testing adhesion. If adhesion is poor, further cleaning or brush blasting per SSPC-SP7 may be necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned.

CONCRETE & MASONRY

For surface preparation, refer to SSPC-SP13/NACE 6. Surfaces should be thoroughly cleaned and dry. Surface temperature must be at least 55°F before filling. If required for a smoother finish, use the recommended filler/surfacer. The filler/surfacer must be thoroughly dry before topcoating per manufacturer's recommendations. Weathered masonry and soft or porous

cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply appropriate primer/sealer to promote adhesion.

DRYWALL

Fill cracks and holes with patching paste/spackle and sand smooth. Joint compounds must be cured and sanded smooth. Remove all sanding dust. Apply appropriate primer/sealer.

Sand any exposed wood to a fresh surface. Patch all holes and imperfections with a wood filler or putty and sand smooth. Apply appropriate primer/sealer.

PREVIOUSLY PAINTED SURFACES

If substrates are in sound condition, clean the surface of all contaminants per SSPC-SP1. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test patch, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Apply appropriate primer/sealer to promote adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

SPECIAL INSTRUCTIONS

- CAUTION: Scraping or sanding surfaces of older buildings. (especially pre-1978) may release dust containing lead or asbestos. EXPOSURE TO LEAD OR ASBESTOS CAN BE VERY HAZARDOUS TO YOUR HEALTH. Always wear appropriate personal protective equipment during surface preparation, and finish cleanup of any residues by waterwashing all surfaces. For more information, see Dunn-Edwards brochure on "Surface Preparation Safety" or call EPA's National Lead Information Hotline at 1-800-424-LEAD, or visit www.epa.gov/lead or /asbestos, or contact your state or local Health Department.
- This product can neither cause nor prevent or cure the growth of mold, mildew, or other forms of fungus. Excessive moisture and inadequate ventilation are the main conditions that promote their growth. Correct any such conditions before painting.
- Do not apply at air or surface temperatures below 50°F.
- · Within SCAQMD: No person shall apply or solicit the application within the District of any industrial maintenance coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings.

PRIMERS

DRYWALL

Textured: Untextured: Skim-coated: VINYLASTIC® Premium (VNPR00) VINYLASTIC® Premium (VNPR00) VINYLASTIC® Plus (VNPL00)

MASONRY

Plaster: Stucco:

Tilt-up concrete: Poured-in-place: Brick: SUPER-LOC® Premium (SLPR00), EFF-STOP® Premium (ESPR00), EFF-STOP® Select (ESSL00) or FLEX-PRIME® Select (FPSL00)

Concrete block:

Smooth BLOCFIL Premium (SBPR00) or Smooth BLOCFIL Select (SBSL00)

Smooth trowel:

SUPER-LOC® Premium (SLPR00)

WOOD

Trim, sash:

SUPER-LOC® Premium (SLPR00) or ULTRA-GRIP® Premium (UGPR00)

SYNTHETIC WOOD

Masonite: Hardboard: MDO siding:

SUPER-LOC® Premium (SLPR00) or ULTRA-GRIP® Premium (UGPR00)

METAL

Ferrous:

BLOC-RUST® Premium (BRPR00), ENDURAPRIME™ Metal Primer (ENPR00)

Non-Ferrous:

ULTRASHIELD® Galvanized Metal Primer (ULGM00) or

SUPER-LOC® Premium (SLPR00)