

STERISHIELD™ - (Dulux)**WATERBORNE EPOXY GLOSS COATING****D4408-B Line (HIGH PERFORMANCE-SOLVENTBORNE)****PRODUCT INFORMATION**

PRODUCT NAME	WATERBORNE EPOXY GLOSS COATING
PRODUCT CODE	Base: D4408-B Line Converter: D4408-C9999
DESCRIPTION	A high performance, two-component chemical-cured waterborne gloss epoxy coating for use as a hard, durable high performance architectural coating (HIPAC).
USAGE	For use on interior properly prepared poured concrete, concrete block, drywall, metal, wood. Ideal for hard usage areas of schools, hospitals, restaurants, public buildings and factories. May be used in areas subject to continuous high moisture such as shower rooms.
Special Qualifications	Suitable for use on structural surfaces where there is a possibility of incidental food contact in commercial food preparation establishments, food processing plants and federally inspected meat and poultry plants. USDA no longer requires or furnishes product certification letters.
BENEFITS	<ul style="list-style-type: none"> • Chemical and stain resistant. • Resists splash and spillage of alkalis, salts, moisture, oils, grease, foodstuffs, and detergents. • Abrasion resistant. • Low odor and high flash point. • Use over alkyd, latex or epoxy coatings. • Long lasting tile-like finish. • Easily washed and cleaned. • Low VOC. • Performance alternate for Federal Specifications TT-C-535B (Type II) and TT-C-550C (Class A).
LIMITATION OF USE	Not recommended for immersion service. Exterior exposure will cause early dulling and loss of gloss, but does not affect protective properties. Epoxy coatings may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters.
PACK SIZE	5 litres units comprising Base: 2.5 litres and Converter: 2.5 litres.
COLOUR RANGE	White and custom colours.
PERFORMANCE GUIDE	
FILM PROPERTIES	
Abrasion Resistance	Good
Pencil Hardness	Good
Flexibility	Excellent
Impact Resistance	Excellent
Water Resistance	Excellent
Chemical/Stain Resistance	Excellent
PRODUCT DATA	
Composition (nominal)	Pigment: Lightfast Non-Lead Pigments and Mineral Extenders. Binder : Polyamide Cured Epoxy. Solvent : Aromatic Hydrocarbon and Alcohol.
Weight/Litre	1.21 kg/L – varies with colour
VOC (EPA 24)	206 g/L – varies with colour
Volume Solids	43% +- 1% - varies with colour
Theoretical Coverage	A guide to the theoretical coverage which can be achieved under

Service Temperature Limits	normal conditions is 3.44-8.6m ² /L. When applying by spray, looses due to overspray can be heavy on narrow sections.
Flame Spread Rating	121°C in air.
Shelf Life	Class A (0-25) over non-combustible surfaces.
Mix Ratio By Volume	1 year minimum – unopened.
Induction Time	4 (Base) : 1 (Converter)
Pot Life	30 minutes.
Flash Point	Up to 8 hours at 25°C.
	96°C.

APPLICATION

THINNING	Thinning is not normally required. However, if necessary add up to 1 part of water to 10 parts of paint (10%).
SPRAY RECOMMENDATIONS Conventional Spray Airless Spray	Satisfactory through most equipment. A typical set up for airless spray application is a minimum working pressure on paint of 3000psi (207 bars) with a spray tip size 0.015"
CURING TIMES Recoat 25°C Full cure	Single coat at standard thickness: Overnight. 7 days
CLEANING UP	Clean immediately after use with warm, soapy water. Rinse pumps and hoses with xylene after cleaning.
FILM THICKNESS	Wet: 115 – 290 microns. Dry : 50 – 125 microns.

PRE - APPLICATION

SURFACE PREPARATION	All surfaces must be sound, clean, dry, and free of oil, grease, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign matter.
SYSTEM INFORMATION NEW SURFACES Concrete, Plaster, and Masonry	Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or precast concrete by acid etching or sandsweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with this product thinned 8:1 with water or prime with waterborne epoxy primer. Dry overnight to recoat. Fill concrete block in areas not subject to moisture with latex filler. In moisture prone areas, fill with this product. Fillers must dry overnight before coating.
Drywall	Prime with this product or waterborne epoxy primer.
Wood	Prime with this product.
Steel	Prime with waterborne epoxy primer.
Galvanized Metal and Aluminium	Prime with waterborne epoxy primer.
Glazed Brick, Ceramic Tile and Fiberglass	Scuff sand and prime waterborne epoxy primer.
PREVIOUSLY PAINTED SURFACES	The waterborne components of this product generally allow use over most old coatings. Old coatings should be tested for lifting. If they lift, remove them. Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Prime bare areas with primer specified under New Surfaces.

PRECAUTION

SAFETY, HEALTHY AND ENVIRONMENTAL INFORMATION

D4408-BASE

IRRITANT

Irritating to eyes, respiratory system and skin.

Avoid contact with skin/eyes.

May cause sensitisation by skin contact.

If swallowed seek medical advice immediately and show this container or label.

If swallowed, rinse mouth with water (Only if the person is conscious).

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

To remove splashes of paint from skin, use soap and water or a recognised cleanser.

Keep away from food, drinks, animal feed and out of the reach of children.

Keep away from combustible material.

Container must be stored in a cool, shaded place and tightly closed in a secure, upright position.

Take precautionary measures against static discharges.

Work in a well-ventilated area and do not breathe in vapour or spray.

When applying paint, wear suitable protective clothing, gloves and eye/face protection.

In case of fire use foam, dry powder, AFFF, CO₂ – Never use water.

In case of a spillage, contain and collect spillage using sand or earth and do not empty into watercourses, drains or the environment.

Dispose of any paint waste in accordance with the appropriate Environmental Quality Regulations.

Refer to Product Safety Data Sheet for further details.

In case of emergency, refer to Emergency Incident Response Hotline 1800 80 6187.

D4408-CONVERTER

Avoid contact with skin/eyes.

If swallowed seek medical advice immediately and show this container or label.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

To remove splashes of paint from skin, use soap and water or a recognised cleanser.

Contains: ALIPHATIC GLYCIDYLETHER. May produce an allergic reaction.

Keep away from food, drinks, animal feed and out of the reach of children.

Keep away from combustible material.

Container must be stored in a cool, shaded place and tightly closed in a secure, upright position.

Take precautionary measures against static discharges.

Work in a well-ventilated area and do not breathe in vapour or spray.

When applying paint, wear suitable protective clothing, gloves and eye/face protection.

In case of fire use foam, dry powder, AFFF, CO₂ – Never use water.

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