



TECHNICAL BULLETIN

SynDeck® 1.5 IMO Underlayment SS1295

Description

SynDeck 1.5 IMO Underlayment SS1295 is a three (3) component, aggregate-filled, 100% solids, amine-cured epoxy flooring product that is low odor. It has excellent adhesion and is specifically designed to be 1.5lbs/ft² (7.32kg/m²) at 1/4in (6.3mm) installed. This product can be applied as an underlayment for all approved deck systems. It may also be applied over all approved prime coats.

Applications

1.5 IMO Underlayment can be applied to properly prepared or prime coated decks, showers, heads, mess areas, berthing spaces, galleys and passageways. This product is a troweled mixture of epoxy and aggregates designed to be used where irregularities, grades or contours need to be corrected. Good choice in spaces with regular moisture exposure, when underlayment is sealed effectively.

Performance/ Physical Characteristics

Certifications/Qualifications	Meets Parts 2 and 6 of Annex 1 of the IMO FTP Code for primary deck coverings and Parts 2 and 5 of Annex 1 of the IMO FTP Code for floor coverings
VOC	0 g/l Theoretical - Additives may contain unreported trace amounts of VOC
Coverage Per Kit	38ft² (3.5m²) at .25in (6.3mm)
Shelf Life	2 years
Mix Ratio by Volume	2.4:1:25 (A:B:C)
Pot Life	30 minutes at 70°F (21°C)
Dry/Recoat Time	10-12 hours at 70°F (21°C)
Color/s	Colorless
Thinning	None required. Acetone or denatured alcohol for clean up
Mixed System Specific Gravity	1.24
Gloss	Not Applicable
Chemical Resistance	Not Applicable

Packaging Description

Weight per kit:

52.1lbs (23.6kg)

SynDeck 1.5 IMO Underlayment Part A Resin SA1295 contains:

5.2lbs (2.4kg) / .53Gal (2.0L) of product in a premeasured 1 Gallon (3.8L) can

SynDeck 1.5 IMO Underlayment Part B Hardener SB1295 contains:

1.9lbs (.86kg) / .22Gal (.8L) in a premeasured 1 Quart (.96L) can

SynDeck 1.5 IMO Underlayment Part C Aggregate SC1295 contains:

45.0lbs (20.4kg) of aggregate packed in a bag

Mixing

Mixing Epoxy:

Mix 1.5 IMO Underlayment Part A Resin SA1295 until a homogenous mixture is obtained. Next, pour 1.5 IMO Underlayment Part B Hardener SB1295 into premixed Part A Resin component and blend using a mechanical jiffy-type mixer for 1 to 2 minutes. Ensure all material is thoroughly blended.



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Mixing Epoxy with Aggregate:

Pour mixed epoxy into larger mixing container (8 gallon/30 liter minimum.) Immediately add 1.5 IMO Underlayment Part C Aggregate SC1295 to the epoxy mixture, while blending with an appropriate mixer. Materials should be homogenous, with no dry material pockets. Immediately apply the combined 1.5 IMO Underlayment SS1295.

Application Methods

Trowel:

Use hand trowel method to spread mixed epoxy and aggregate to the desired thickness. Trowel over bond coating to fair and level deck irregularities and produce positive slopes toward drains. Designed to be applied over wet SynDeck Bond Coat SS1222.

Environment

Apply between 50°F-100°F (10°C-38°C) and 5°F (3°C) above dew point. Pot life and cure time will vary depending on ambient conditions.

Storage

50°F-100°F (10°C-38°C)

Recommended Products to be Used with 1.5 IMO Underlayment SS1295

Bond Coat: Apply SynDeck Bond Coat SS1222 to properly prepared deck prior to troweled application of 1.5 IMO Underlayment SS1295. See appropriate Technical Bulletin for application instructions.

Grout Coat: SynDeck Grout Sealer SS1255, SynDeck Grout Sealer Slow SS1256 or SynDeck Underlayment Sealer SS1257 may be used. Coverage will depend on the tightness of troweled underlayment. See appropriate Technical Bulletin for application instructions.

Color Coat: Apply SynDeck IMO Epoxy SS5000 color series if color is desired. See appropriate Technical Bulletin for application instructions.

Top Coat/Sealer: Apply SynDeck IMO Epoxy SS5000 for final coat. See appropriate Technical Bulletin for application instructions. **NOTE:** SynDeck Slip Resistant Additive may be used for reduced slip effect.

Caution

Use in a well-ventilated area. Do not allow uncured epoxy to be in contact with skin for prolonged periods of time. If contact occurs, wash affected area immediately with soap and warm water. If eye contact occurs, flush with plenty of warm water. See a physician

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss or damage resulting from use of this product.

Contact EPMAR for any additional application information



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