



## Ship Deck Materials Using LATICRETE® Stock Items

### **DESCRIPTION:**

SHIP DECK UNDERLAYMENTS are materials that are placed on steel decks to fill, level and make the surface smooth so that it can receive a further covering which may be carpet, thermoplastic flooring, vinyl tiles, ceramic tile, wood block flooring, etc. Thickness may be from ¼" – 3" (6 mm - 76 mm).

SHIP DECK COVERINGS are trowel applied materials that are used as "finished" surfaces. They can be used on interiors to level, make smooth and provide a finish flooring or exteriors to provide a walking surface that provides salt water and corrosion protection on steel decks and will further provide a non-slip oil and salt water resistant traffic surfacing.

SHIP DECK COVERINGS are usually applied in a nominal thickness of approximately ¼" – 3/8" (6 mm - 9 mm).

### **METHODS OF APPLICATION:**

APPLICATIONS ON INTERIOR SURFACES; require only the removal of loose surface covering, scale, rust or contaminants. This is usually accomplished with a mechanical scabbler or abrasive device that will remove attached underlayment, and rust. Interior applications do not require cleaning to "bright metal" cleanliness or surfaces.

EXTERIOR UNDERLAYMENTS AND DECK COVERINGS; require that the metal surface be cleaned to "bright metal" condition and that a primer or the deck covering application be made within four hours after cleaning and before oxidation occurs.

### **PROCEDURES:**

INTERIOR: Clean the surface to remove all loose material.

Applications of underlayment or deck covering up to ½" (12 mm) are made using a stiff but wet plastic trowelable mix which acts as both the primer and the finished application. This is applied and worked into the surface and then troweled to a smooth finish. Any trowel marks that are left can be removed the next day by using a floor sander to remove trowel marks and leave the surface smooth and ready for the application of ceramic tile, vinyl or thermoplastic covering, carpet or floor paint.

APPLICATIONS OVER 1" (25 mm) IN THICKNESS; are made using two mixtures:

The same materials mixed to a soft plastic consistency applied as a primer to the surface and while they are wet a second application of semi-dry mixture placed and compacted and troweled to a smooth surface. Using semi-dry mixtures will allow application from 1 – 3" (25 - 76 mm).

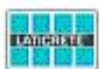
### **STOCK ITEM MATERIALS WHICH CAN BE USED FOR SHIP DECK WORK:**

Interior applications: 0-6 mm (0-1/4 inch) use LATICRETE 1500 Sanded Grout gauged with LATICRETE 3701 Mortar Admix.

From 1/8" – 1" (3 mm - 25 mm) use LATICRETE 226 Thick Bed Mortar gauged with LATICRETE 3701 Mortar Admix.

From 1" – 3" (25 mm - 76 mm) use LATICRETE 226 Thick Bed Mortar gauged with LATICRETE 3701 Mortar Admix to make semi-dry mix.

*THESE MATERIALS CAN BE USED ON INTERIOR AS EITHER AN UNDERLAYMENT OR AS FINISHED DECK SURFACING.*



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### EXTERIOR APPLICATIONS: (Over Steel Decks)

#### DECK UNDERLAYMENT:

From 1/8" - 1/4" (3 mm – 6mm) use LATICRETE 1500 Sanded Grout gauged with LATICRETE 8510 Bonding Admix.

From 1/4" – 1" (6 mm - 25 mm) use LATICRETE 226 Thick Bed Mortar gauged with LATICRETE 8510 Bonding Admix.

#### EXTERIOR DECK COVERINGS (finished traffic surface):

1/8" – 1/2" (3 mm - 12 mm) use a plastic mixture of LATICRETE 226 Thick Bed Mortar gauged with LATICRETE 8510 Bonding Admix.

If a colored finished surface is required:

a. Apply a 1/8" (3 mm) skim coat of LATICRETE 1500 Sanded Grout gauged with LATICRETE 8510 Bonding Admix, or

b. Sand lightly and apply paint coat, using exterior acrylic concrete paint - color as required.



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