

INTRODUCTION

DECK SLU 701 is a one component, marine grade, fire resistant, cementitious screed, used as underlayment to level or raise the level of indoor and outdoor ship decks, rooms and compartments before application of HYPERFLOOR 2K MARINE, or equivalent IMO certified deck coating. It is mixed mechanically with water in a container and poured directly onto the deck where it self-levels to produce a smooth surface. It is fibre reinforced and offers a small degree of flexibility in order to accommodate expected structural movements.

USE

To level, or raise the level, of indoor and outdoor ship decks, rooms and compartments.

APPLICATION METHOD

The mix will flow and level by itself. Use large batten or trowel to direct it or correct it as required.

SUITABLE SUBSTRATES

For use on all properly prepared and primed substrates, including steel, galvanized steel and aluminium.

FEATURES

- One component, pre-mixed dry powder,
- layer thickness 4-50 mm,
- fast drying, walkable after 3-5 hours,
- pourable, self-flowing and self-levelling, producing smooth flat surface,
- fiber reinforced, flexible,
- no shrinking, no cracking,
- fire resistant, IMO Res. A.687 (17) compliant.

LIMITATIONS

- DECK SLU 701 is an underlayment and, hence, must be covered by HYPERFLOOR 2K MARINE.
- Priming must both proceed and follow the application of DECK SLU 701 (see section about surface preparation below).

DECK SLU 701

SELF-LEVELING CEMENTITIOUS SCREED

TECHNICAL DATA SHEET



PRODUCT DATA

DECK SLU 701: Pre-cure properties.	
Application temperature range °C (°F)	10-35 (50-95)
Mix ratio, DECK SLU 701 : water by weight, kg	25 : 6.5
Mix ratio, DECK SLU 701 : water by weight, %	26
Pot life @ 20 °C, approx., mins	20
Setting time @ 20 °C, approx., mins	60
Ph of mix	11-12
Shelf life (in controlled environment) months	12
Packaging, kg	25

DECK SLU 701: Post-cure properties.	
Colour	grey
Specific weight approx., ISO 2811, 3-5 day ambient cure, kg/lt	1.5
Expected weight contribution approx., internal, kg/m ²	4 mm: 6 10 mm: 15 20 mm: 30 50 mm: 75
Light foot traffic after @ 20 °C, approx., hours	3-5
Overcoating after 10 mm / day, days	1-5
Compressive strength Approx., internal, MPa	Day 1: 24 Day 7: 30 Day 28: 37
Flexural strength Approx., internal, MPa	Day 1: 5 Day 7: 7 Day 28: 9

SURFACE PREPARATION

- Steel, galvanized steel and aluminium: Remove grease and oils using CLN-01. Seal and protect deck using the anticorrosive primer PRO-PRIME 203. PRO-PRIME 203 is suitable for both properly and poorly prepared steel. Lay DECK SLU 701 within 5-24 hours.
- Primed / coated metals: Remove grease and oils using CLN-01. Fair with grit no. 80-180, clean and apply one coat of PRO-PRIME 902 and lay DECK SLU 701 within 12-24 hours.

APPLICATION

Quick notes:

- Add 6.5 lt water per 25 kg,
- mix mechanically until uniform,
- pour on application area.

Mixing is done mechanically using an electric drill with mixer rod attachment, or other mixing apparatus. You should set up a workflow which keeps the time between batches to a minimum. One way to do this is to have two mixing containers so that one batch is always in preparation while the other is being applied. Also, if the area to be covered is large, you can add guides to divide it in more manageable segments.

Add exactly 6.5 lt of water per sack to mixing container and empty sacks into it. If not preparing whole sacks, use scales to calculate 26% of water required. Mix thoroughly until uniform ensuring that no dry powder remains on the sides, bottom and edges of the container. Pour the mix on the surface starting from the far edges of the application area. Although self-flowing, you may use a batten or trowel to direct it and check depth as required.

PACKAGING

25 kg sacks.

STORAGE & SHELF LIFE

Twelve months from the date of manufacture in its original sealed packaging. Store away from excessive heat and humidity.

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SAFETY



Use personal protection. Avoid any physical contact with the uncured substance.

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