

# ***DaeHyup***

Marine & Offshore Deck  
Covering and Spray Insulation

DAEHYUP  
**Billytex**



**BILLYTEX** SL-1200 FLOOR  
Water-Mix Type Self Leveling (Lightweight)



**DAEHYUP TECH**

## Production description

BILLYTEX SL-1200 Floor is a lightweight type primary deck underlayment system, which is composed of fine silica sand, cement, gypsum, high fluid powder made of enriched strengthened materials and redispersible polymer powder. This deck-covering system provides unique environment-friendly method of installation, and it is also satisfied with IMO 2010 FTP code.

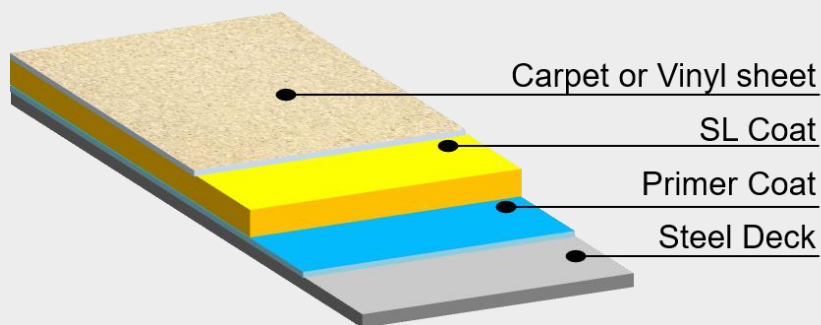
BILLYTEX SL-1200 Floor, as a lightweight primary deck-covering system, simplifies complicated installation procedure required for the manual type multi-layer deck underlayment systems and therefore, it brings about economic gains due to improved project schedule and ease of material handling.

## Characteristics

- Self leveling property
- Excellent adhesive strength
- Good elasticity
- Non-combustibility
- Good chemical and abrasion resistances
- Easily controllable thickness
- Easy handling and economic benefit

## Application

- Accommodation decks in ships and offshore units
- Floors in building



## Certificates

| Classification society | CE (MED) | USCG | DNV-GL | BV | LR | ABS | KR | NK | RS |
|------------------------|----------|------|--------|----|----|-----|----|----|----|
| BILLYTEX SL-1200 FLOOR | O        | O    | O      | -  | -  | O   | -  | O  | -  |

## ➤ Installation Steps

### ❖ Surface Preparation

- 1) Oil, filths, dust and moisture on the surface of steel plate shall be removed.
- 2) The steel plate shall be pre-treated by zinc silicate shop primer or equivalent finish as general installation condition.
- 3) Floor conditions (fairing, wavering, deflection, etc.) shall be checked during cleaning.
- 4) Drainage holes and gaps underneath wall panel shall be plugged up prior to installation.

### ❖ Installation

- BILLYTEX SL-PRIMER
  - Base : 3 kg
  - Hardener : 6 kg

Poured entire contents of the hardener into the base and mix 2~3 minutes using power drill. BILLYTEX SL- 1200 powder should be applied within 3~12 hours after drying of primer coat.

- BILLYTEX SL-1200 Powder
  - Powder : 15 kg/bag
  - Water : 3.75 liter

BILLYTEX SL - 1200 Floor should be applied within the permission of its purposed thickness. Depending on the working conditions, trowels or spike rollers can be used to optimize quality of leveling.

### ❖ Curing

After application of BILLYTEX SL-1200 Floor, the area shall be protected against direct heat and sunlight as well as strong wind. Also it shall not be exposed to freezing temperature (Recommended curing temperature is over +5°C).

Applied SL-1200 will cure at about 7~12 hours at +18°C and max. 50% relative humidity, however, the curing time may be variable upon the applied thickness, temperature, relative humidity and the ventilation of the installed area.

It should be cured completely before application of finishing materials such as vinyl sheet, stud tile, carpet, etc.

As dry condition, moisture content should be ≤6%

### ❖ Cleaning

Use water for cleaning tools before the compound is cured.

### ❖ Shelf-life

12 months.

### ❖ Caution

The BILLYTEX SL-1200 Powder shall not be exposed to moisture. The BILLYTEX SL – PRIMER shall not be exposed to freezing temperature.

For additional technical information, please contact our technical department.

## ➤ Technical data

|                              |                                                           |                                 |
|------------------------------|-----------------------------------------------------------|---------------------------------|
| Basis                        | Cement and redispersible polymer powder                   |                                 |
| Color                        | BILLYTEX SL - 1200                                        | Powder : Gray                   |
|                              | BILLYTEX SL - PRIMER                                      | Base : Blue<br>Hardener : White |
| Density (g/cm <sup>3</sup> ) | Approx. 1.2                                               |                                 |
| Compressive strength (MPa)   | 35.8                                                      |                                 |
| Fire resistance              | Primary deck covering                                     |                                 |
| Thickness (mm)               | Standard<br>Minimum<br>Maximum                            | 8<br>4<br>50                    |
| Curing time                  | Accessible state for foot traffic<br>Complete curing time | 7 - 12 hours<br>3 - 5 days      |

Note : According to ambient conditions and humidity, curing time can be changed.

## ➤ Application method

| Material         | Unit | Quantity (kg/m <sup>2</sup> ) |      |       |       |       | Remark |
|------------------|------|-------------------------------|------|-------|-------|-------|--------|
|                  |      | 4 mm                          | 8 mm | 10 mm | 15 mm | 25 mm |        |
| SL - 1200 powder | Kg   | 4.8                           | 9.6  | 12.0  | 18.0  | 30.0  |        |
| Water            | Kg   | 1.2                           | 2.4  | 3.0   | 4.5   | 7.5   |        |

Note : Quantity maybe changed depending on working condition.

**BILLYTEX SL-1200 FLOOR**  
Water-Mix Type Self Leveling



DAEHYUP TECH CO., Ltd. provides comprehensive marine deck covering products such as powder, latex, epoxy and urethane types.

We have been developing our products more than three decades through various experiences in manufacturing and installations.

The quality of our products is assured by ISO 9001:2000 and approved by major authorities including leading classification societies in compliance with the IMO rules.



# ***DaeHyup***

**DAEHYUP TECH CO., LTD**

**DAEHYUP SPRAY CO., LTD**

88, Janggiteo 2-gil, Ungchon-myeon,  
Ulju-gun, Ulsan, Republic of Korea

TEL +82-52-277-9110~3

FAX +82-52-277-9114~5

E-mail [sales@dae-hyup.com](mailto:sales@dae-hyup.com)

Website [www.dae-hyup.com](http://www.dae-hyup.com)