

Production description

BILLYTE X SL-600 Floor is an ultra-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.

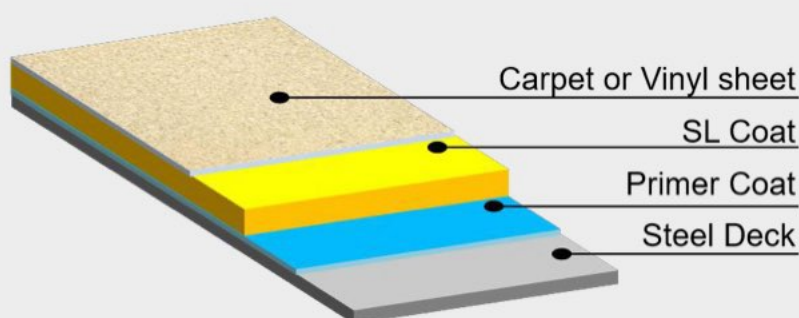
BILLYTEX SL-600 Floor, as an ultra-lightweight primary deck-covering system, simplifies complicated installation procedure required for the manual type multi-layer deck underlayment systems and therefore, it brings about economic gains due to improved project schedule and ease of material handling.

Characteristics

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

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-600 FLOOR	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

- 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- 600 powder should be applied within 3~12 hours after drying of primer coat.

- SL-600 Powder
 - Powder : 8 kg/bag
 - Water : 3.0~3.2 liter

SL - 600 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 SL-600 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-600 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

SL-600 Powder shall not be exposed to moisture. The 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	SL - 600	Powder : Gray
	SL - PRIMER Approx.	Base : Blue Hardener : White
Density (g/cm ³)	0.6	
Compressive strength (MPa)	30.1	
Fire resistance	Primary deck covering	
Thickness (mm)	Standard Minimum Maximum	8 4 25
Curing time	Accessible state for foot traffic Complete curing time	7 - 12 hours 3 - 5 days

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

► Application method

Material	Unit	Quantity (kg/m ²)					Remark
		4 mm	8 mm	10 mm	15 mm	25 mm	
SL - 600 powder	Kg	2.4	4.8	6.0	9.0	15.0	
Water	Kg	0.89	1.78	2.22	3.33	5.56	

Note : Quantity maybe changed depending on working condition.



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