

DaeHyup Tech

CRAFTSMANSHIP COVERING YOUR DECK



BILLYTEX BX-B1 Underlay

Primary deck covering

BILLYTEX BX-B1 Underlay

>> Production description

BILLYTEX BX-B1 UNDERLAY is a deck composition product, which is composed of silica sand, cement, latex, etc. It is 2 coating system, as a standard type, which can be applied for floor and deck in all ship types. It also satisfies IMO Res. MSC 307(88). 2010 FTP code. Annex 1, Part 6.

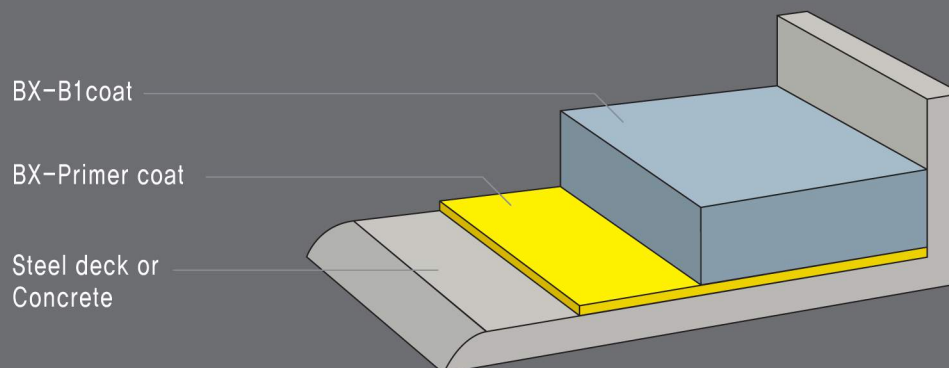
The final coating on the BILLYTEX BX-B1 UNDERLAY can be vinyl sheet, tile, polyurethane, epoxy paint, etc.

>> Characteristics

- Excellent adhesive component and elasticity like natural rubber
- No crack or no rust by water proofness
- Long life material
- Non-combustibility
- Good chemical and abrading resistances
- Impact absorption from collision
- special surface preparation is not required before application

>> Application

- Accommodation decks.
- Floors in building



>> Certificates

Classification society	CE (MED)	USCG	DNV·GL	BV	LR	ABS	KR	NK	RS
BILLYTEX BX-BX1 UNDERLAY	O	O	O	-	-	-	-	-	-

※ O : Approved, - : Not applicable

>> Installation Steps

Surface preparation :

BILLYTEX BX-B1 UNDERLAY may be applied on hard foundations such as concrete and steel, which should be free of dust, grease, oil, dirt, etc.

Primer coat :

BILLYTEX BX-PRIMER & BX-L103

Just finishing of primer coat, Base coat to be carried out immediatery.

Base coat :

BILLYTEX BX-B1 & BX-L103

Only mix with the proper quantity, in consideration of working time(20~30 minutes). Pour the mixed composition to deck and spread with a linotol trowel(steel board). After enough drying, next process can be applided.

Mixing :

1. Primer coat

BILLYTEX BX-PRIMER	10kg
BILLYTEX BX-L103	3.3liter

2.Base coat

BILLYTEX BX-B1	200kg
BILLYTEX BX-L103	20liter

Curing :

After application of BILLYTEX BX-B1 UNDERLAY, the compound should be protected against direct heat and sunlight as well as strong wind. Also it should not be exposed under freezing temperature

(recommended curing temperature is over +5℃)

BILLYTEX BX-B1 will be cured after approx. 16~18 hours, at +20℃ and max. 65% relative humidity, however, the curing time may be variable upon the thickness of the applied layer, temperature, relative humidity and the ventilation of the installed area.

The compound should be completely dry prior to the application of dense finish materials, such as vinyl sheet, stud tile and carpet etc. Content of moisture ≤ 6%.

Cleaning :

Use water for cleaning tools before the compound is cured.

Shelf-life :

Powder : The available period of 12 months under ordinary conditions is guaranteed.

Latex : The available period of 6 months under ordinary conditions is guaranteed.

Caution :

The BILLYTEX BX-PRIMER, BX-B1, powder should not be exposed to moisture or freezing temperature.

For additional technical information, please contact our technical department.



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>> Technical data

Basis	Cement and synthetic latex	
Color	BX-PRIMER, BX-B1, BX-L103	Powder : Grey Liquid : White
Density(g/cm ³)	Approx. 1.9(applied)	
Compressive strength(MPa)	30	
Fire resistance	Fire resistant	
Thickness(mm)	Standard	8
	Minimum	6
	Maximum	46
Curing time(hours) (20°C / 65%)	PRIMER	—
	B1	16-18

※ According to ambient conditions and humidity, curing time would be changed.

>> Application method

Process	Materials	Unit	Quantity(m ²)					Remark
			6mm	7mm	8mm	9mm	10mm	
Primer coat	BX-PRIMER	kg	0.6	0.6	0.6	0.6	0.6	
	BX-L103	kg	0.2	0.2	0.2	0.2	0.2	
Base coat	BX-B1	kg	10.45	12.35	14.25	16.15	18.05	
	BX-L103	kg	1.05	1.24	1.43	1.62	1.81	

※ Quantity may be changed depending on working condition.

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Primary deck covering

DAEHYUP TECH Co., Ltd. provides a complete range of marine deck covering products such as powder, latex, epoxy and urethane types.

We have been developing our products more than two decades through various experience 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.

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