

THE BEST TECHNOLOGY & QUALITY



DAEHYUP TECH

CRAFTSMANSHIP COVERING YOUR DECK



BILLYTEX A60-FU

A60-Class deck

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Production description

BILLYTEX A60-FU is a deck composition product for A-60 class deck and the system is obtained from high density HTB(High Temperature calcium silicate Board), which is composed of silica sand, cement, natural latex, SBR latex, HTB etc.

It can be applied for floor and deck in all ship types. It also satisfies IMO FTP code MSC.61(67) Annex 1, part 3 and Annex2.(IMO Res. A754(18) / A799(19)).

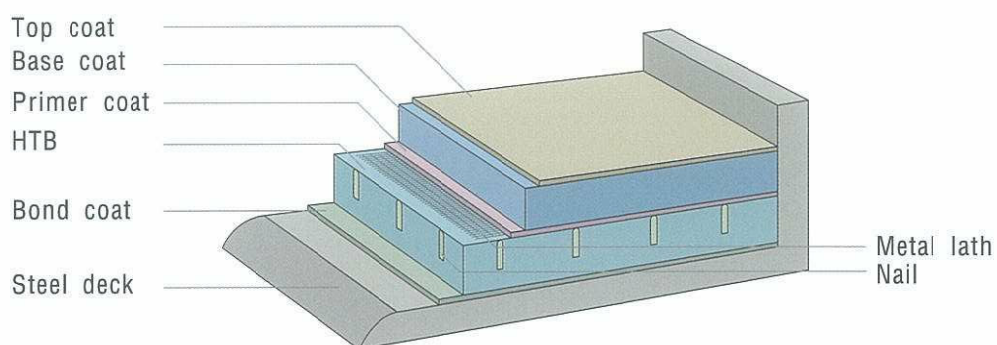
The final coating on the BILLYTEX A 60-FU can be vinyl sheet, tile, polyurethane or epoxy paint, etc.

Characteristics

- A-60 class deck fire protection
- Excellent thermal protection and soundproof
- Long life material
- Non-combustibility
- Excellent adhesive component and water-proof without crack
- Impact absorption in collision
- Special surface preparation is not required before application
- Flexibility against fatigue

Application

- Area of A-60 class deck, engine room or oil tank area where is required anti-thermal and anti-vibration.



Certificates

Classification society	CE (MED)	USCG	DNV	BV	LR	GL	ABS	KR	NK	RS	RS Sanitary
BILLYTEX A60-FU	○	○	○	●	○	○	○	○	●	○	○

※ ○ : Approved, ● : Underway

Installation Steps

Surface preparation :

Prior to the application of the BILLYTEX A60-FU system, the steel deck should be dry and anti-corrosion protected.

Bond coat :

AMS38-BOND

The application of AMS38-BOND is the most easily performed with rubber screed. The material is coated within 20~30minutes before hardened.

Heat proof :

HTB board

HTB board should be plane.

- 1) Thickness 25mm, 5.5pieces / square meter.
- 2) At the corner or space for welding bead, it should be carefully fitted.
- 3) Cutting to be by hand pressing or a cutter.
- 4) After fitting, the surface to be cleaned for metal lath cover and set by staple.

Primer coat :

BILLYTEX BX-PRIMER & BX-L103

It is possible to carry out Base coat just after finishing Primer coat work.

Base coat :

BILLYTEX BX-BASE & BX-L103

The compound should be completely dry prior to the application of Top coat.

Top coat :

BILLYTEX BX-TOP & BX-L103

Polish the surface with #150-200 sand paper after drying the surface. Double coating is better than one coating to make good surface.

Mixing :

1. Primer coat

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

2. Base coat

BILLYTEX BX-BASE	200kg
BILLYTEX BX-L103	18liter

3. Top coat

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

Curing :

After application of BILLYTEX A60-FU, 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-BASE will be cured after approx. 16-24hours, at +18℃ and max. 50% 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.

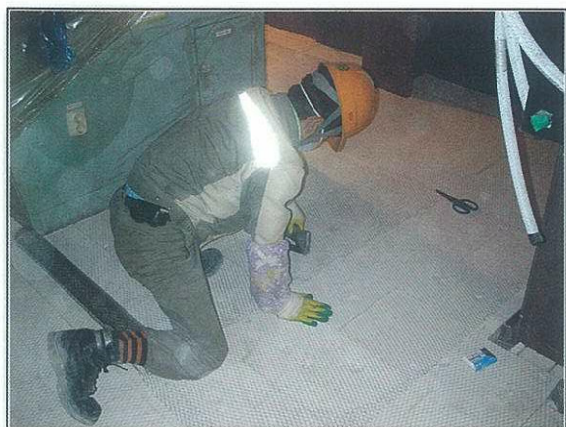
Shelf -life :

The shelf-life is max. twelve months.

Caution :

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

For additional technical information, please contact to our technical department.



BILLYTEX A 60-FU

Technical data

Basis :	Cement and synthetic latex	
Color :	BX-PRIMER, BASE, TOP BX-L103	Powder : Grey Liquid : White
Density (g/cm ³) :	HTB board BILLYTEX BX-B	Approx. 0.2 (applied) Approx. 1.8 (applied)
Heat conductivity (kcal/m hr°C):	0.047	
Fire resistance :	Fire resistant	
Thickness (mm) :	Standard Minimum Maximum	37 37 62
Curing time (hours) :	PRIMER BASE TOP	- 16 - 24 2 - 4

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

Application method

Process	Materials	Unit	Quantity(m ²)				Standard thickness (37mm)	Remark
			37mm	38mm	39mm	40mm		
Heat proof	Bond	kg	2.5	2.5	2.5	2.5	27mm	
	HTB Board	SH	5.5	5.5	5.5	5.5		
	Metal lath	m ²	1	1	1	1		
	Nail(staple)	EA	30	30	30	30		
Primer coat	BX-PRIMER	kg	1.8	1.8	1.8	1.8	1.5mm	
	BX-L103	kg	0.3	0.6	0.6	0.6		
Base coat	BX-BASE	kg	16	18	20	22	8mm	
	BX-L103	kg	1.6	1.8	2.0	2.2		
Top coat	BX-TOP	kg	0.9	0.9	0.9	0.9	0.5mm	
	BX-L103	kg	0.3	0.3	0.3	0.3		

※ Quantity may be changed depending on working condition.

- ※ - HTB Board : 300 x 600 x 25mm, 50mm (Standard)
- Metal lath : 20 x 20 x 0.5mm(#200~300)
- Nail(Staple) : 20L
- DP-SEALER(Epoxy type paint) 0.3kg/ m² (If final is applied)

