

CMP LINER supports the machines
behind the scenes.

Two component solvent free epoxy resin for chocking

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Prop up the equipment securely by easy installation

CMP LINER is a two component solvent free epoxy resin for chocking or grouting material which allows easy installation of the equipment and other alignments. CMP LINER, a pourable compound with great workability, mounts the equipment securely due to its properties of toughness and long term durability achieved after full cure.

Product

CMP LINER GREY

Can be used for various types of machineries to be installed on both onshore and offshore projects.

CMP LINER BLUE

The product is applied to fill the gap that require fine alignment, such as under the main engine etc. and approved by the classification society and engine supplier.

Use

Under auxiliary machines, Generators	CMP LINER GREY	CMP LINER BLUE
Deck machines (winch or windlass)	CMP LINER GREY	CMP LINER BLUE
Various equipment of onshore, pole base grouting etc.	CMP LINER GREY	CMP LINER BLUE
Under main engines		CMP LINER BLUE

Certifications of CMP LINER BLUE

Type approvals

LR	Issue Date 5 March 2013
NK	23 August 2013
BV	1 October 2013
ABS	10 February 2014
JG	30 April 2014
KR	14 May 2014
DNV	20 October 2014

Approved by
MAN Energy solutions



Under auxiliary machines, Generators



Under deck machines



Under onshore equipments



Under main engines

Performance

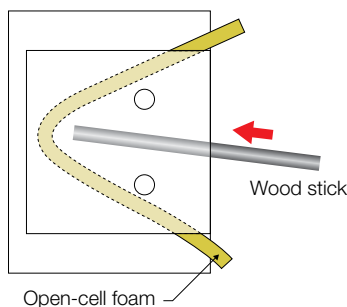
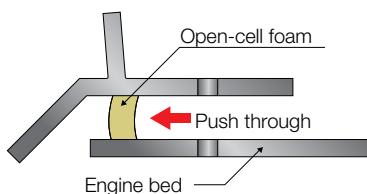
	Test item	Test Standard	CMP LINER GREY	CMP LINER BLUE
As Liquid	Curing linear Shrinkage		2.44×10^{-2} mm/mm	3.925×10^{-3} mm/mm
As Solid	Barcol hardness	ASTM D-2583	62	56
	Izod impact resistance	ASTM D-256	0.43 J	0.23 J
	Compressive creep	ASTM D-621		0.55% (23°C, Cured for 3 days)
	Compressive strength	ASTM D-695	131 MPa	116 MPa
	Heat deflection temperature	ASTM D-648	102.3 °C	109.0 °C
	Flexural strength	ASTM D-790	79.3 MPa	66.7 MPa
	Flammability	ASTM D-635	Self extinguish	Self extinguish
	Oil absorption	ISO 175	0.11% by weight (3 months)	0.11% by weight (3 months)
	Water absorption	ISO 62	2.50% by weight (3 months)	2.71% by weight (3 months)

Application procedure



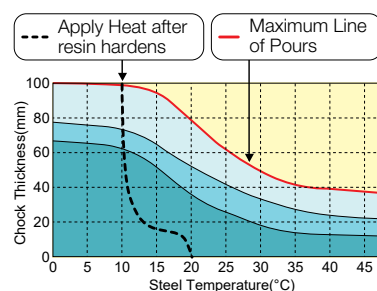
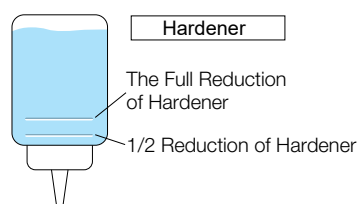
1 Create damming

Insert flexible damming foam using a wood stick in order to prevent CMP LINER from leaking.



2 Determine required hardener

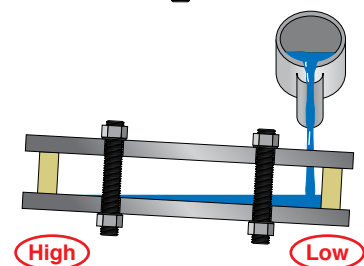
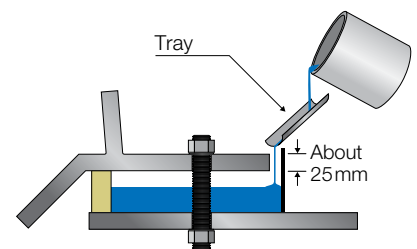
Calculate the correct amount of hardener depending upon the steel temperature and chock thickness.



- Layered pours area
- Full Hardener Reduction
- 1/2 Hardener Reduction
- Standard Hardener Reduction

3 Pouring from lowest corner

Pour the CMP LINER into one corner only. Always pour from the lowest corner. Try not to generate bubbles into the mixture.



Curing Time

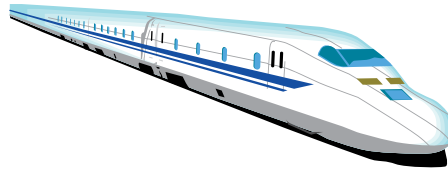
Steel Temperature (°C)	15	20	25
Curing Time (hours)	48	24	18

*) Please refer to the Application Method for further information.

CMP LINER



CMP is the leading company of marine and protective coatings, and also has developed leading products of the field of industrial coating. CUS is the chock resin which has been adopted to the various types of railway tracks in Japan and overseas, with a proud of sales history over 40 years. CUS has been maintained safety of the railways over a long period of time, and its knowledge is now being used for CMP LINER.



CMP CHUGOKU

www.cmp-chugoku.com

CHUGOKU MARINE PAINTS, LTD.

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