Jan. 2014
No. 6461B

CMP LINER BLUE

(CMP LNR BL)

CMP LINER BLUE is solvent-free epoxy chocking or grouting material that supports permanently all size and type of main engine and marine auxiliary equipment. CMP LINER BLUE is designed to withstand severe marine and industrial environments involving a high degree of both physical and thermal shock.
CMP LINER BLUE is non-shrinking and has very high impact resistance and compressive strength.

TECHNICAL DATA

Type		Thermosetting material
Recommended Use		Under diesel and gas engines, reduction gears, generators, compressors, pumps, bearing blocks, crane rails and numerous other applications.
Information	Mixing Ratio	: BASE : HARDENER* = 87 : 13 [by volume]
	Color	: Blue
	Flash Point	: BASE = 254, HARDENER* = 132 [°C]
	Density	: 1.54 [g/mL] (ISO:2811)
	Volume solids (VS)	: 99 [volume %]
	VOC	: 51 [g/L] (Method24)
	Coverage (Theoretical)	: 12 - 55 [L/m^2]
	Film Thickness	: WET 12 - 55 [mm] DRY 12 - 55 [mm]

	15°C	20°C	25°C
Drying Time Set-to-touch	-	-	-
Hard Dry	48hrs.	24hrs.	18hrs.
Painting Interval Min			
Max			
Pot Life **	40mins.	30mins.	25mins.

Condition of Application	Method of Application	: Please refer "Application Method of CMP LINER BLUE"
	Weather	: Temperature:13 - 35°C, Humidity:Maximum 90 %RH
	Thinner	: EPOXY THINNER A (for cleaning only)
	Preceding Coats	: -
	Subsequent Coats	: -
Packaging		Two pack product

Notes

1.When film thickness is 55 mm, Please contact us.
2.Please decide the mixed ratio of Base and Hardener with reference to the guidelines on "Application Method of CMP LINER BLUE".
3.Pot life is short. Please mix only required amount.
(Pot life: Time before temperature reaching 50°C for liquid mixture)**
4.When Temperature of the resin is less than 20°C in use, please warm CMP LINER BLUE BASE.
5.When the temperature of the steel plate to pour is less than 13°C, please warm there.
6.Density, VS and VOC are measurement data of product samples. Values may vary depending on manufacturing process, local regulations, etc.
7. COMPRESSIVE STRENGTH :200MPa(ASTM D-695MOD)
COMPRESSIVE MODULUS OF ELASTICITY :3045MPa(ASTM D-695)
THE RATE OF CHANGE IN CREEP STRAIN :-0.14%(ASTM D-621)
FLEXURAL STRENGTH :217MPa(ASTM C-580)
FLEXURAL MODULUS OF ELASTICITY :307MPa (ASTM C-580)

TENSILE STRENGTH :30.2MPa (ASTM D-638)
SHEAR STRENGTH :72.5MPa (ASTM D-732)
IZOD IMPACT STRENGTH :1.6kJ (JIS K7110)
FIRE RESISTANCE :Self extinguishing (ASTM D-635)
BARCOL HARDNESS :57 (ASTM D-2583)

8.Fundamental BARCOL HARDENESS : 35 - 65

This product should be used only by professional applicators. Consult the current Chugoku Marine Paints Safety Data Sheets. Follow all local or national health, safety and environmental regulations. Observe all safety labels on packaging and containers. Take precautions against possible risks of fire or explosions as well as protection of the environment. Apply only at ventilated areas. Handle with care.

This data sheet contains the best and latest of our knowledge on the date of issue on our laboratory in Japan testing and practical application experience, and subject to change without notice. Since the paints are used under unexpected circumstances in some cases, guarantee can not be given except on the quality of those paints themselves.