HEMPEL'S ANTIFOULING DYNAMIC 79560

Description: HEMPEL'S ANTIFOULING DYNAMIC 79560 is a high solid, self-smoothening and self-polishing antifouling based on a hydrolysing silyl acrylate binder that ensures effective polishing control. An inorganic fibre reinforcement provides high mechanical strength. This product does not contain organotin compounds acting as biocides and complies with the International Convention on the Control of Harmful Antifouling Systems on Ships as adopted by IMO October 2001 (IMO documents AFS/CONF/26).

Recommended use: As an antifouling for bottom and boottop especially on vessels operating at medium to high speed and high activity with short idle periods and for service intervals up to 90 months.

Availability: Part of Group Assortment. Local availability subject to confirmation.

PHYSICAL CONSTANTS:

Shade nos/Colours:	60600/ Brown.
Finish:	Flat
Volume solids, %:	58 ± 1
Theoretical spreading rate:	58 m^2/l [2325.8 sq.ft./US gallon] to 100 micron/4 mils
Flash point:	24 °C [75.2 °F]
Specific gravity:	1.9 kg/litre [15.5 lbs/US gallon]
Dry to touch:	2 hour(s) 20°C/68°F
VOC content:	411 g/l [3.4 lbs/US gallon]
Shelf life:	12 months (25°C/77°F) from time of production. Depending on storage conditions, mechanical stirring may be necessary before usage.

The physical constants stated are nominal data according to the HEMPEL Group's approved formulas.

APPLICATION DETAILS:

Application method:	Airless spray / Brush / Roller see REMARKS overleaf
Thinner (max.vol.):	08080 (5%) / 08080 (5%)
Nozzle orifice:	0.027 to 0.031 "
Nozzle pressure:	270 bar [3915 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S THINNER 08080
Indicated film thickness, dry:	100 micron [4 mils] see REMARKS overleaf
Indicated film thickness, wet:	175 micron [7 mils]
Recoat interval, min:	According to specification.
Recoat interval, max:	According to specification.

Safety: Handle with care. Before and during use, observe all safety labels on packaging and paint containers, consult HEMPEL Safety Data Sheets and follow all local or national safety regulations.

HEMPEL'S ANTIFOULING DYNAMIC 79560

SURFACE PREPARATION:	According to specification. **Existing old self-polishing or ablative antifouling:** Remove possible oil and grease etc. with suitable detergent, followed by high pressure fresh water cleaning for a thorough removal of any possible weak structure of leached antifouling. **Sealer:** Whether to use a sealer coat/tiecoat or not depends on the type and condition of the existing antifouling.
APPLICATION CONDITIONS:	Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
PRECEDING COAT	According to specification. Recommended systems are: HEMPADUR 45182
SUBSEQUENT COAT:	None, or as per specification.
REMARKS:	This product contains heavy particles. Stir well before use. By providing a constantly active surface during its lifetime, this antifouling is gradually sacrificed in the process.
Colours/Colour stability:	The ANTIFOULINGs are never tinted and as the high load of cuprous oxide influences the shade a certain variation from batch to batch is allowable. Exposure to humid weather shortly after application is likely to cause discolouration. This is a surface phenomenon only and has no influence on performance nor recoatability.
Redocking:	At redocking, HEMPEL'S ANTIFOULING PAINT can be recoated after thorough cleaning and removal of any poorly adhering surface layer or leached layer on the antifouling. Reference is made to SURFACE PREPARATION above. If recoated with other types of antifouling, other surface preparation methods may be required - contact HEMPEL.
Aluminium hulls:	**May be specified on aluminium hulls provided an efficient anticorrosive system in minimum 2 coats of 150 micron/6 mils each has been applied. The anticorrosive system must stay intact during service in order to avoid corrosion of the aluminium caused by the cuprous oxide content of the Paint.**
Application equipment:	Standard airless heavy-duty spray equipment: Pump ratio: min 45:1 (see Note below) Pump output: min 12 litres/minute (theoretical) Spray hoses: max 15 metres/50 feet, 3/8" internal diameter; max 3 metres/10 feet, 1/4" internal diameter **Note:** If longer spray hoses are necessary, up to 50 metres/150 feet hose (½" internal diameter) can be added. The pump ratio must be raised to 60:1 or more, however, the high output capacity of the pump must be maintained. A **reversible nozzle** is recommended. **Filter:** Surge tank filter and tip filter should be removed.
Film thicknesses/thinning:	May be specified in another film thickness than indicated depending on purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval. Normal range dry is: 80-175 micron/3.2-7 mils
Undocking:	Precautions must be made taking this into account during e.g. out docking. Minimum undocking time depends on number of coats applied, film thickness, the prevailing temperature and the subsequent exposure/service conditions. For further information, please consult the corresponding painting specification. Maximum undocking time depends on the atmospheric conditions (UV radiation, temperature, degree of atmospheric pollution, etc.). Exposure to the atmosphere in up to 6 months normally presents no problems but extraordinary contamination may call for a freshwater high pressure hosing - contact Hempel.
Recoating note:	As per specification depending on existing hull condition, trading pattern, and intended service life. No maximum recoat interval, but after prolonged exposure to polluted atmosphere, remove accumulated contamination by high pressure fresh water cleaning and allow to dry before applying next coat. As for other physically drying paints the final hardness will be obtained a few days after application of the last coat.
Nota:	**HEMPEL'S ANTIFOULING DYNAMIC 79560 For professional use only.**
ISSUED BY:	HEMPEL A/S 7956060600