

### 15AS9: BASE: CURING 950SG

<b>Description:</b>	HEMPEL'S 15ASG is a two-component, abrasion resistant, pure epoxy primer with excellent anticorrosive properties. The product has optimised performance properties for different harsh service conditions.
<b>Recommended use:</b>	As a self-primed high performance coating system for atmospheric or in water service, including water ballast tanks. HEMPEL'S 15ASG is also suitable for tugs and barges. HEMPEL'S 15ASG is intended for all year application down to -10°C/14°F and for applications where fast recoating and handling is required.
<b>Features:</b>	Excellent anticorrosive and very good mechanical properties. Curing down to -10°C/14°F.
<b>Service temperature:</b>	Maximum, dry exposure only: 120°C/248°F. Ballast water service. Resists normal ambient temperatures at sea (Avoid long-term exposure to negative temperature gradients). Other liquids: Contact HEMPEL
<b>Availability:</b>	Not Included In Group Assortment. Local availability subject to confirmation.

### PHYSICAL CONSTANTS:

Shade Nos./Colours:	67120/Dark Brown
Finish:	Semi-Flat
Volume solids, %:	72 ± 2
Theoretical spreading rate:	5.8 m <sup>2</sup> /l [232.6 sq.ft/US gallon] - 125 micron/5 mils
Flash point:	35 °C [95.0 °F]
Specific gravity:	1.5 kg/litre [12.2 lbs/US gallon]
Dry to touch:	4.0 approx. hour(s) 20°C/68°F 9.0 approx. hour(s) 5°C/41°F
Fully cured:	5 day(s) 20°C/68°F 15 day(s) 5°C/41°F
VOC content:	268 g/l [2.2 lbs/US gallon] <i>*other shades according to assortment list.</i>

### APPLICATION DETAILS:

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

#### Version, mixed product:

#### 15ASG

Mixing ratio:	BASE 15AS9: CURING 950SG 3.0 : 1.0 by volume
Application method:	Airless spray / Brush / Roller
Thinner (max. vol.):	08450 (5%) / 08450 (5%) / 08450 (5%)
Pot life (Airless spray):	2 hour(s) 20°C/68°F
Pot life (Brush):	2 hour(s) 20°C/68°F
Induction time:	- see REMARKS overleaf
Nozzle orifice:	0.021 - 0.025 "
Nozzle pressure:	250 bar [3625 psi] (Airless spray data are indicative and subject to adjustment)
Cleaning of tools:	HEMPEL'S TOOL CLEANER 99610
Indicated film thickness, dry:	125 micron [5 mils]
Indicated film thickness, wet:	175 micron [5 mils]
Overcoat interval, min:	see REMARKS overleaf
Overcoat interval, max:	see REMARKS overleaf

<b>Safety:</b>	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.
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- SURFACE PREPARATION:** **New steel:** Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Abrasive blasting to Sa 2 1/2 (ISO 8501-1:2007) is recommended. For temporary protection, if required, use a suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting. For repair and touch-up use: **HEMPEL'S 15ASG**.  
**Concrete:** Remove slip agent and other possible contaminants by emulsion washing followed by high pressure hosing with fresh water. Remove scum layer and loose matter to a hard, rough and uniform surface, preferably by abrasive blasting, possibly by other mechanical treatment or acid etching. Seal surface with suitable sealer, as per relevant painting specification.  
**Steel, maintenance:** Remove oil and grease, etc. with suitable detergent. Remove salt and other contaminants by (high pressure) fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½. Improved surface preparation will improve the performance of the paint.  
As an alternative to dry cleaning, water jetting to sound, well adhering coat and/or to steel. Intact coat must appear with roughened surface after the water jetting. By water jetting to steel, cleanliness shall be: (minimum) WJ-2 Acceptable flash rust degree before application: FR-2, preferably FR-1. Feather edges to sound and intact areas. Dust off residues. Touch up to full film thickness.
- APPLICATION CONDITIONS:** Use only where application and curing can proceed at temperatures above: -10°C/14°F. Apply only on a dry and clean surface with a temperature min. 3°C/5°F above the dew point to avoid condensation. In confined spaces provide adequate ventilation during application and drying.
- PRECEDING COAT:** None, or as per specification. When diluted to 25-30%, the product can be used as blast primer preceding a full coat application of the product.
- SUBSEQUENT COAT:** According to specification.
- Colours/Colour stability**  
**Weathering/service temperatures:** Has a tendency to yellow after application. This will have no influence on the performance. The natural tendency of epoxy coatings to chalk in outdoor exposure and to become more sensitive to mechanical damage and chemical exposure at elevated temperatures is also reflected in this product.
- Induction time:** To facilitate proper application properties, it is recommended to allow the thoroughly mixed BASE and CURING AGENT to pre-react before application.
- 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 over-coating interval. Normal range dry is: 100-200 micron/4-8 mils. For ballast tanks servicing at newbuilding stage minimum specified DFT is: 2 x 160 micron.  
**Note:**
- Overcoating:** Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying.

A specification supersedes any guideline overcoat intervals indicated in the table.

ENVIRONMENT	Immersion					
	-10°C (14°F)		0°C (32°F)		20°C (86°F)	
Surface Temperature:	Min.	Max.	Min.	Max.	Min.	Max.
	HEMPADUR	27 h	90 d	13 h	63 d	3 h

NR = Not Recommended, Ext. = Extended, m = minute(s), h = hour(s), d = day(s)

**Note:** **HEMPEL'S 15ASG is for professional use only.**

**ISSUED BY:** HEMPEL R&D SINGAPORE

15ASG67120

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available on [www.hempel.com](http://www.hempel.com). Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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