

## **Marine Selfcleaning Paint (transparent)**

### **SAFETY DATA SHEET**

### **PRODUCT INFORMATION**

#### **Typical Use**

STORM's Research Labs. Marine Self Cleaning's Paint is a two pack, water based coating for use over existing sound coatings or clean, dry and laitance free uncoated masonry surfaces. STORM's Research Labs. Marine Self Cleaning's Paint dries to a tough gloss finish that has good impact & abrasive properties, protecting areas that are prone to bio-organisms (like algae, corals and other sea fouling).

STORM's Research Labs. Marine Self Cleaning's Paint can be also used in areas where low odour paintings (transparent or with color) are required, e.g. hospitals, schools & public buildings. Before preparing any surface for painting, read the Safety, Health & Environmental information on page 2 about old lead-based paints.

**Pack Size** 5 , 10, 30 or 60 litre Base.

**Colour Range** N/A, Dark Red, Brown, Black, Blue, Green

**Composition (nominal)** **Pigment:** N/A ( or Dark Red, Brown, Black, Blue, Green )  
**Binder:** Polyacrylic / Isocyanate  
**Solvent:** Water.  
**Volume Solids:** 40% (Nominal)

#### **Mixing Ratio**

Supplied in correct proportions. Add all of the Activator to the Base container and mix thoroughly for at least 5 minutes, until the product is smooth and even. Do not mix part units. Badly activated or incorrectly mixed materials will affect performance and may cause early failure or discolouration.

#### **Thinning**

Ready for use when mixed. If required, add a maximum of 10% clean water to activated paint.

#### **Application Method**

Application is by brush or roller only. For health and safety reasons this product must not under any circumstances be applied by spray. If spray, only with mask.

**Pot Life** 1-2 Hours (Depending on prevailing conditions).  
Film thickness will be dependent on the coverage achieved.  
Best result after 12 hours, but there are the activating technique for faster way.



## Film Thickness

Single coat at standard thickness:      Dry: 30 microns.  
Wet: 60 microns.

## Drying Times

Single coat at standard thickness:  
Touch Dry: At 20°C - 6 hours.  
Recoat: Minimum 16 hours and maximum - 7 days.  
Hard dry after 16 hours. (there are technique to accelerate up to 15 minutes)

**Theoretical Coverage** 10qm per litre of end product.

### LIFE SPANS OF THE PAINT :

- As a dry layer on air - over 20 years (tested)
- As a "self cleaning" effect paint under salt water (tested over 10 years)
- Anti fouling effect depend on the area of use and tested in tropical, nord seas - lifespan over 10 years.

## Cleaning Up

After use, remove as much paint as possible from equipment before cleaning with clean water. Do not use or store in extremes of temperature and protect from frost.

## SURFACE PREPARATION BEFORE APPLY

To get the best results with STORM's Self cleaning's paint, make sure surfaces to be painted are sound, clean and dry (new surfaces particularly must be fully dry), and free from any contaminants such as loose particles, dust, grease etc. It is recommended that a small test area of the ship is applied before treating the entire surface to ensure compatibility.

**Note:** Do not apply over underbound coatings e.g. distemper or non cross-linked flexible coatings e.g. Acrylated Rubber, Chlorinated Rubber.

## SAFETY, HEALTH & ENVIROMENTAL INFO

### STORM's Marine Self Cleaning's Paint BASE

**WATER-BASED PAINT RESTRICTED TO PROFESSIONAL USERS, WHO ARE SUITABLY TRAINED.**

**Flammable.**

**Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic or hermetic environment.**

Keep away from sources of ignition - no smoking.

Avoid release to the environment. Refer to special instructions/Safety data sheet.

This includes waste hazard categories.

EU limit value for this product (cat A/j) :

140g/l (2007) / 140g/l (2010)

This product contains

max. 65g/l VOC

## ***STORM's Self Cleaning Paint Accelerator***

**ISOCYANATE-BASED ACCELERATOR can make hardening faster up to 15 min. total duration. RESTRICTED TO PROFESSIONAL USERS WHO ARE SUITABLY TRAINED. May cause sensitisation by inhalation and skin contact. Contains aliphatic polyisocyanate and hexamethylene-diisocyanate.**

Before use refer to safety data sheet. This includes waste hazard categories. Contains isocyanates. See information supplied by the manufacturer.

EU limit value for this product (cat A/i) :140g/l (2007) / 140g/l (2010)

This product contains max. 85g/l VOC



**HARMFUL**

## ***STORM's Self Cleaning Marine Paint THE BASE & ACCELERATOR***

Do not apply by spray. (if no experiences or training before use)

Use only in well ventilated areas.

Do not breathe vapour.

Avoid contact with skin and eyes.

Wear suitable protective clothing and gloves.

When applying it is advisable to wear eye protection.

Wear a dust mask if applying by roller.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of soap and water or a proprietary skin cleanser. Do not use solvent, thinners or white spirit.

Keep out of the reach of children.

Keep away from food, drink and animal feeding stuffs.

If swallowed, seek medical advice immediately and show this container or label.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Do not use or store by hanging on a hook.

Do not empty into drains or watercourses.

Avoid the inhalation of dust. Wear a suitable face mask if dry sanding.

For further advice contact:

Tel: + 60 12 4351523 (Malaysian phone)

See: [www.2savepetrol.com/bio-fouling/](http://www.2savepetrol.com/bio-fouling/)

VOC Content Low 0.30% - 7.99%. VOCs (Volatile Organic Compounds) contribute to atmospheric pollution.

© STORM's Research Labs. and the SelfClean™ are trademarks of STORM's Projects S/B

