

# Flexithane Flexible Hypalon Paint User Guide

The use and application of Flexible Paint to Hypalon and Rubber variant Inflatable Boats, and RIB's



Polymarine have formulated a specialist paint called Flexithane for the renovation of inflatable boats made from Hypalon PU and rubber variant fabrics. Flexithane is matched by Superflex the for same great results on PVC Dinghy Fabrics.

Flexithane has excellent adhesion properties and is highly elastomeric with an extreme stretch ratio that will not crack or flake off. Flexithane's coating properties are highly opaque and normally require only one coat for true colour rendition. A second coat will enhance the smooth satin appearance and improve the lasting durability.



## The Unique Properties of Polymarine Flexithane Paint

- A fully flexible paint formulated for Hypalon PU and rubber variant fabric
- High Adhesion
- Hard Wear and Abrasion Resistance.
- Smooth satin finish, will not crack or flake off
- No mixing required, just a vigorous shake or stir.

- Apply with a brush, Touch Dry in 5 minutes at 20°C
- Second Coat can be applied when entire surface is Hard Dry in 20 minutes at 20°C.
- Full Dry is achieved after 24 hours.
- Used for renovating Hypalon inflatable boats and RIBS
- Also used for resealing and preventing rubbing strake and mouldings from powdering
- 1 x 500ml Tin is enough to apply two coats of paint on 4 to 5 square metres.

### **Flexithane Paint Application Guide for Best Results**

#### **Materials needed:-**



#### • FLEXITHANE paint

- P510 Hypalon Solvent Cleaner
- or Flexithane 2681 Thinners
- Good Quality Paint brush
- Lint free cloth
- Paint Kettle
- Protective Gloves
- Masking tape

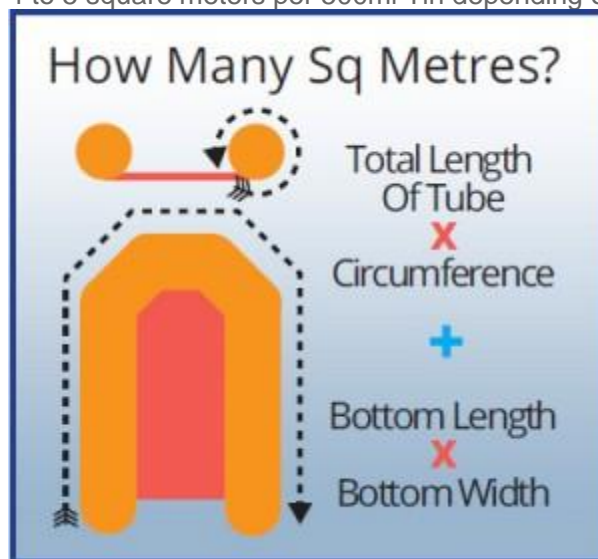
#### **IMPORTANT:**

Before preparing and painting please note:- your workplace needs to be well ventilated, dry and comfortably warm ideally 10 to 20°C. Damp and High humidity may cause blooming. Do not use a gas fire or naked flame heat source as the paints and solvents are highly flammable.

WARNING – Flexithane must not be used on any PVC coated fabric surface.

#### **1 COVERAGE:**

4 to 5 square meters per 500ml: Each 500ml Tin of Flexithane will cover up to 10 square meters in one coat. For best results apply two coats which gives an average coverage of 4 to 5 square meters per 500ml Tin depending on surface condition and application.



## 2 MAKE GOOD

It is recommended to repair and reattach components or patches that may be coming loose prior to painting. Use a hot air gun to soften old glue. Wipe away with 2903 solvent.



## 3 SURFACE PREPARATION:

The surface to be painted should be checked for any rough imperfections which can be lightly sanded with 80 grit paper. Lightly abrade the entire surface to be painted to improve adhesion of the paint.



## 4 CLEANING

The inflatable tubes must be cleaned of dirt, oxidation & grease by using Polymarine

Inflatable Boat Cleaner and then thoroughly rinsed and dried.



### 5 SOLVENT PRIMER CLEANER

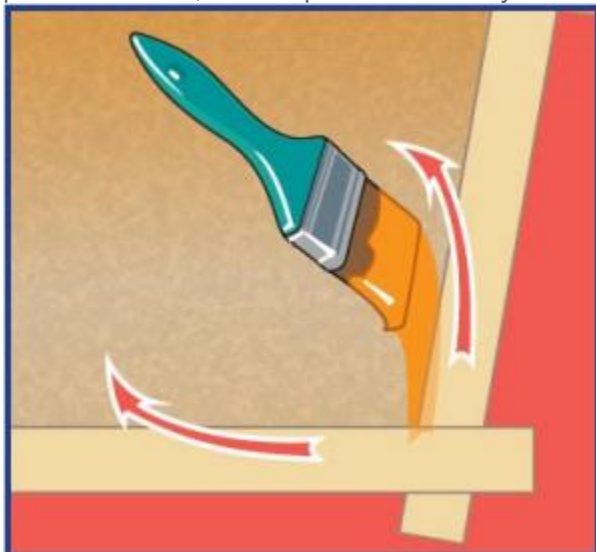
When the entire surface is clean a final preparation of the surface is made with Polymarine P510 Hypalon Solvent Cleaner applied with a clean dry lint free cloth, paying particular attention to seam joints, nooks and crannies. The P510 will quickly dry and flash off ready for painting. (NOTE: 2681 Flexithane-Thinners can also be used to clean and prime).



### 6 MASKING

Masking areas can be done by using standard Low Tack Masking Tape ensuring it's firmly aligned at the leading edge. When painting to the mask with a brush, don't use a freshly loaded brush, wait until it's semi depleted (less paint) and always paint along and away from the leading edge, not into it, to help avoid bleed under. If masking a freshly

painted surface, ensure paint is 'Firm Dry' and tape is low tack masking.



## 7 APPLICATION

Shake the Paint Tin vigorously prior to application. Add the approximate amount of paint you intend to use in one session to a paint kettle or similar container. Stir the container of paint every few minutes.

### **BY BRUSH (recommended)**

It is recommended that Flexithane be applied using a good Brush with Natural Bristles. Synthetic Bristles may dissolve due to the solvents present within Flexithane.

### **ROLLERS (not recommended)**

Use of Gloss Paint Rollers is not recommended as they're usually synthetic and prone to breaking down due to solvents, thus spoiling your final finish.

### **SPRAY PAINTING – Professional use only with appropriate breathing apparatus**

Spraying can be done using the Polymarine Flexithane 2681 Thinners, at a mix ratio of 1 Base to a maximum of 15% Thinners. Two spray coats should be applied as a minimum. Refer to SDS for cautionary and safety procedures.

### **CUTTING IN**

First, 'cut in' around edges of all seams, patches and up to the leading edge of masking tape.



### **FLAT AREAS**

Then apply to flat areas in light, even strokes using low build for maximum flexibility (avoid thick coats).

### **SECOND COAT**

A second coat is easiest to apply when at least 'Firm Dry'. Note; Apply the second coat



with a full brush, do not over work otherwise the second coat will re-dissolve the first coat.



### 8 FLEXITHANE DRYING TIME

Flexithane becomes 'Touch Dry' after approximately 5 minutes at 20°C and 'Hard Dry' after 20 minutes. Once the paint surface becomes 'Hard Dry', the second coat can be applied. A 'Full Dry Finish' will be achieved after 24 hours drying time.



**FULL DRY 24 HOURS**

## 9 FINISH & PRESERVATION

