



PRODUCTS DATA SHEET

FLOW Silikon AND FLOW Silikon Top

INTRODUCTION

Flow silikon and flow silikon Top are both three-layers polymer self-adhesive films with very high glide performances. In addition the films has a very significant antifouling action.

The principle is based on a very low surface tension and smooth finish of the upper layer in contact with the water, reducing considerably any loss of momentum.

An increase of drag is one of the characteristics of antifouling paints, which degrade over time. The hull becomes increasingly rough and laden with algae and barnacles.

Flow Silikon and Flow silikon Top are the best products for preserving both high-performance glide capacity and an optimum antifouling function without biocides.

Description

- Film : Silicone high technology
- Adhesive : Special Adhesive marine 100 g/m²
- Protection : Silicone paper

Advantages

- Silicone last generation for long lasting antifouling
- Biocide free , no water pollution.
- No sanding operations after film removing.
- Easy cleaning (self-cleaning from 6 k.)
- Anti shock film, protection of the hull and anti osmose
- If strong shock, easy repairs with patch process (fast and very economic).
- Perfect antifouling whatever the seas.
- Resistancy to oils and alchools .
- Very long lasting



Application		Flow Silikon Transparent	Flow Silikon Top
		Transparent antifouling 	Colored antifouling 
	TEST METHOD	Results	Results
Construction			
Face material		High tech Silicone	High tech Silicone
Adhesive		Special marine adhesive 100 gr/m2	Special marine adhesive 100 gr/m2
Liner		Polymeric PVC 80µm	Polymeric PVC 80µm
Properties			
		Silicone with low surface tension	Silicone with low surface tension
Physical properties Features			
Color	RAL	Transparent	Red / black
Opacity	Backlight check	closed	closed
Thickness, facefilm		177 µm	230 µm
Thickness, facefilm+ adhesive		245 µm	330µm
facefilm weight		205 g/m2	279 g/m2
facefilm + adhesive weight		275 g/m2	379 g/m2
Tensile strength (N/m)		>12 MPA	>12 MPA
Elongation at break		>40%	>70%
gloss	Reflectometer	>30	>30
dimensional stability	10min / 70°C oven	max. 1,5% without adhesive	max. 2,5% without adhesive
Flammability	-	-	PVC standard
Accelerated ageing	Xenotest Beta+	2 years	3 years
Adhesive properties			
immediate tack (N/25mm)	Finat	7 - 9N	5 - 7N
20 minutes tack (N/25mm)	Finat	>8N	>9N
Ultimate tack (N/25mm)	Finat	>10N	>15N
Release (N/25mm)	Finat	0,25 - 0,7N	0,25 - 0,7N
Shelf life		3 years	5 years
Durability	AF following test in India and Britain	3 weeks (static)	3 months (static)
Temperature range features			
Application temperature	Finat	12-25°C	12-25°C
service temperature	Finat	-10 - 50°C	-10 - 50°C
Chemical properties features			
Humidity resistance		120 hours exposure	120 hours exposure
Corrosion resistance		120 hours exposure	120 hours exposure
Water resistance		48 hours immersion	48 hours immersion
chemical resistance		Oil, Gasoline and Diesel	Oil, Gasoline and Diesel
Solvent resistance		PVC standard	PVC standard
Hydrocarbures resistancy		PVC standard	PVC standard
UV resistance		>1 Year	>2 Years
Flammability		PVC standard	PVC standard