

### Specifications of DuraSeal20 anodised aluminium sheets

This is to specify the properties of products made from DuraSeal20 anodised aluminium sheets according to the working instructions for the product which are issued by the manufacturer of the DuraSeal20 anodised aluminium sheets i.e. Polychromal b.v., Alkmaar in Holland.

Images	Black	BK10B	- Silver
	Blue	BE06B	- Silver
	Red	RD09B	- Silver
	Yellow	YW02B	- Silver

Exterior Exposure	exceeding	: 6 years
	exceeding Weatherometer	
	Test GG-455b	: for 400 hrs.

Images	Yellow	YW01B	- Silver
	Orange	OE03B	- Silver
	Red	RD07B	- Silver
	Red	RD08B	- Silver
	Blue	BE05B	- Silver
	Green	GN 04B	- Silver

Exterior Exposure	exceeding	: 3 years
	exceeding Weatherometer	
	Test GG-455b	: for 150 hrs

#### For all images in mono- and multicolour:

Abrasive Resistance	: Taber-Abraser with CS 17 wheel Load: 1000 gr. Cycles pro hr: 7000	SLIGHT DULLING
	: Pighairbrush + water + talcum powder. Load: 1000 gr. Cycles pro hr: up to 24000	NO EFFECT
Temperature Resistance	: 500°C	BLEACHING within 2 minutes.
	: 300°C for 12 hrs	NO EFFECT
Salt spray	: 5% at 40°C for 700 hrs	NO EFFECT
Mil-S-3136 Hydrocarbon fluid	: 700 hrs immersion	NO EFFECT
Mil-S-5161 Turbine + Jet Engine fuel	: 700 hrs immersion	NO EFFECT
Kerosene	: 700 hrs immersion	NO EFFECT

Skydroll	: 700 hrs immersion	NO EFFECT
Methyl Ethylketone	: 700 hrs immersion	NO EFFECT
Ethyl acetate	: 700 hrs immersion	NO EFFECT
Xylol	: 700 hrs immersion	NO EFFECT
Heptane	: 700 hrs immersion	NO EFFECT
Ethyl alcohol	: 700 hrs immersion	NO EFFECT
Ferric chloride	: 10% solution 24 hrs	NO EFFECT
Ammonium Hydroxide	: 10% solution 10 hrs	DULLING
Mil-P-21563	: soap solution 16 hrs	NO EFFECT
Mil-C-25179 AIN in Heptane	: 25% solution, 1 min. (cleaning solution)	NO EFFECT
Sulphuric Acid	: 10% solution, 24 hrs	NO EFFECT
Phosphoric Acid	: 1% solution, 12 hrs	NO EFFECT
Nitric Acid	: 3% solution, 72 hrs	NO EFFECT
TSP	: 1% solution, 40 hrs	NO EFFECT

DuraSeal20 sheets meet the standard of the following specifications:

Mil.spec.A.8625 A type II coating  
 Mil.spec.P.514C (15.s.1963)  
     (3.2.1. + 3.2.2. Grade B)  
 Mil.spec.P.514D (15.9.1966)  
     (3.2.2. + 3.6.)  
 Fed.Std. G.G. P.455B (10.7.1972) type II, class I  
     (class II not standard)  
     (3.5. - 3-7-1- t/m 3.10 - 6.1 - 6.5.3.)

The products made with DuraSeal20 and after treatment provided with an " adhesive backing" meet Mil.spec. P.19834B.

Alkmaar, 29-06-2016

POLYCHROMAL B.V.  
Eric Hensen