



## RUBICONE

### Material Safety Data Sheet - Rubicone®

<b>Composition:</b>	100 % acrylic resin, aluminium hydroxide, pigments and fillers	
<b>Facture:</b>	One-colored; fine-, medium- and coarse-grained	
<b>Finish:</b>	Matt, semi-matt, gloss	
<b>Weight [sheet in size 3660x760mm]</b>	~ 56 kg (12 mm thickness)	
<b>Density [kg/m<sup>2</sup>]</b>	19,65 kg/m <sup>2</sup> (12 mm thickness) 9,90 kg/m <sup>2</sup> (6 mm thickness)	ASTM D-792A
<b>Using temperature [°C]</b>	-5 do +170	
<b>Endurance [°C]</b>	max. +230	
<b>Hardness [Barcola scale]</b>	63,2 ± 1,4	ASTM D-2583
<b>Water absorption [%]</b>	0,04	PN-EN ISO 62
<b>Linear thermal expansion [1/ °C]</b>	51 x 10 <sup>-6</sup>	ISO 11359-2
<b>Colour fastness</b>	4/5	ISO-19712-2
<b>Flexural strength [MPa]</b>	75,0 ± 4,1	PN-EN ISO 178
<b>Compressive strength [MPa]</b>	189,5 ± 8,1	PN-EN ISO 604
<b>Impact resistance (ball drop) [mm]</b>	1000 - 1700	PN-EN ISO 19712-2
<b>Freeze and Thaw</b>	0,01% (water absorption); 0,05% (change of thickness)	
<b>Salt fog test</b>	No effect	ASTM B117
<b>Sulfur dioxide resistance</b>	No effect	PN-EN ISO 9227:2012
<b>Boiling water resistance</b>	No effect	PN-EN 438-2
<b>Chemical resistance</b>	No effect	ISO-19712-2
<b>Hazardous substances</b>	Heavy metals: 16,6 ppm; Free monomer content: 235 ppm; Migration of compounds: 3% (m/v) r-r acetic acid: 9,78 [mg/dm <sup>2</sup> ]; 10% (v/v) r-r of ethyl alcohol: 0,53 [mg/dm <sup>2</sup> ]; isooctane: 0,17 [mg/dm <sup>2</sup> ]	
<b>Special features</b>	Material resistant for most of chemical substances, non porous, isotropic	
<b>Extra services</b>	Unusual projects, technical advising, training, design, assembly, transport	
<b>Warranty</b>	10 years for material	
<b>Certificates</b>	PZH hygienic certificate; Flame resistance certificate (bs1-d0) - issued by ITB	

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