

## TECHNICAL DATA - SOFEISATION

TECHNICAL DATA	R 101 VF COLOURLESS	R 101 VF RED-BROWN, ALUMINIUM, or BLACK	R 102 RED-BROWN
<b>Specific use</b>	<b>applied directly to rusted surfaces (St2 type)</b>	<b>as 2<sup>nd</sup> coat on top of R 101 colourless or directly to rusted surfaces (St2 type)</b>	<b>as 2<sup>nd</sup> coat on top of R 101 or applied directly to non-rusted surface (Sa2.5 type)</b>
Binder	45 %	45 %	18 %
Dry content	45 %	45 %	65 %
Solvents	55 %	55 %	35 %
Viscosity	21.6 sec. Ford Cup n°4	21.6 sec. Ford Cup n°4	13.3 sec. Ford Cup n°4
Density	0.86	0.86	1.27
Flash point (Abel-Pensky)	35° C (95° F)	35° C (95° F)	32° C (89.6° F)
P.H. (60 % aqueous solution at 25° C / 77° F)	6.5	6.5	6
<b>Thinner</b>	<b>ready for use - never add any thinner</b>	<b>ready for use - never add any thinner</b>	<b>ready for use - never add any thinner</b>
Homogeneity	stir before use	light sedimentation to be thoroughly stirred before use	light sedimentation to be thoroughly stirred before use
<b>Application</b>	brush, roller, conventional or airless spray gun, dipping	brush, roller, conventional or airless spray gun, dipping	brush, roller, conventional or airless spray gun, dipping
Pressure for spray application	2 to 2,5 bars at the spray tip	2 to 2,5 bars at the spray tip	2 to 2,5 bars at the spray tip
<b>Drying time</b>			
- dry to touch (20° C / 68° F)	approx. 1 hour	approx. 1 hour	approx. 1 hour
- ready for use (20° C / 68° F)	approx. 3 hours	approx. 3 hours	approx. 3 hours
- between coats (20° C / 68° F)	approx. 2 hours between coatings of the same product, otherwise no time limit	approx. 2 hours between coatings of the same product, otherwise no time limit	approx. 2 hours between coatings of the same product
<b>Polymerization time</b>			
Before paint coating	2 days (varies w/ hygrometry)	2 days (varies w/ hygrometry)	6 hours (varies w/ hygrometry)
<b>Effective coverage</b>	approx. 14 m <sup>2</sup> / litre	approx. 13 m <sup>2</sup> / litre	approx. 13 m <sup>2</sup> / litre
Thickness	approx. 15 microns	approx. 20 microns	approx. 20 microns
Contact angle (wetting and spreading)	5 measured by the Lorentz and Wettres methods	5 measured by the Lorentz and Wettres methods	5 measured by the Lorentz and Wettres methods
Gloss	semi-glossy	semi-glossy	matte
Colour	colourless lacquer	aluminium, black, red-brown	red-brown
<b>Heat resistance</b>			
- continuously	- 55° C to + 180° C - 67° F to + 356° F	- 55° C to + 180° C - 67° F to + 356° F	- 55° C to + 180° C - 67° F to + 356° F
- momentarily	up to + 200° C up to + 392° F	up to + 200° C up to + 392° F	up to + 200° C up to + 392° F
Application temperatures	+5° C (37° F) to 55° C (131° F)	+5° C (37° F) to 55° C (131° F)	+5° C (37° F) to 55° C (131° F)
Salt water resistance	excellent	excellent	high
Acid resistance	high	high	high
Alkali resistance	high	high	medium
Flexibility	excellent	excellent	excellent
<b>Noxiousness</b>	not dangerous	not dangerous	not dangerous
Physiological reactions to welding	no emission of poisonous gas no modification of welding parameters	no emission of poisonous gas no modification of welding parameters	no emission of poisonous gas no modification of welding parameters
% VOC	Max. 499g/l	Max. 499g/l	Max. 499g/l
<b>Storage time</b>	2 years under shelter sealed drum	2 years under shelter sealed drum	2 years under shelter sealed drum
Packing	20 litres metal drum	20 litres metal drum	20 litres metal drum