



Certified to ISO  
 9001:2015,  
 without design

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## STONEKOTE PROPERTIES

PROPERTY	ASTM METHOD	UNIT	STONEKOTE 85	STONEKOTE 7000	STONEKOTE 50
Non-Stick	None	--	E	E	E
Abrasion Resistance	None	--	F	G	VG
Chemical Resistance	None	--	G	E	E
Max Use Temperature					
-Continuous		Fahrenheit	550	400	500
		Celsius	290	205	260
-Intermittent		Fahrenheit	600	450	550
		Celsius	315	230	290
Melting Point	D3418	Fahrenheit	621	500	582
		Celsius	327	260	305
Salt Spray Resistance	B-117	Hours on Aluminum	744+	744+	1000
Specific Gravity	D792		2.15	2.15	2.15
Coefficient of Friction	D1894	-Static	.12 - .15	.12 - .20	.20
		-Dynamic	.05 - .10	.08 - .30	
Hardness	D2240	Shore D	50-65	56	60
Tensile Strength	D638	Mpa	21-35	23	25
Elongation	D638	%	300-500	325	300
Flexural Modulus	D790	Mpa	500	600	600
Thermal Conductivity		See Note 1	1.7	1.4	1.3

Dielectric Strength	D149	V/um	18	53	80
Dielectric Constant	D150	1 MHz	2.1	2.1	21
Arc Resistance	D495	sec	>300	>300	>180
Volume Resistivity	D257	ohm cm	>10 <sup>18</sup>	>10 <sup>18</sup>	10 <sup>18</sup>
Surface Resistivity	D257	ohm/sq	>10 <sup>18</sup>	>10 <sup>16</sup>	>10 <sup>17</sup>
Weather Resistance	Florida Exposure	Years Unaffected	20	20	10
Water Absorption	D570	%	<.01	<.01	<.03
Contact Angle		Water°	104°-111°	95°-105°	104°-111°
Permeability	D1434	See Note 2			
-CO <sub>2</sub>			Porous	1700	2260
-NO <sub>2</sub>			Porous	320	290
-O <sub>2</sub>			Porous	750	880

NOTE1: Thermal Conductivity Units = (BTU) (in) / (Ft<sup>2</sup>) (hr) (deg F)

NOTE2: Permeability units = (cc) (mil thickness) / (100 in<sup>2</sup>) (24 hr) (atm) @ 77°F

E = Excellent

G = Good

V = Very Good

F = Fair

The values shown in this table represent average experiences from numerous testing sources and are not intended for specifications. These values will vary upon the individual composition of the primers and topcoats and the systems used.