





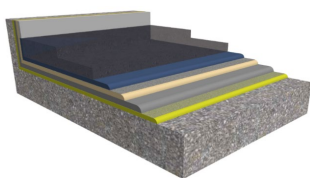


## MasterSeal Bridge 5000

Waterproofing system for highway road and bridge deck slab with asphalt pavement

Function		Product name	Consumption (kg/m <sup>2</sup> )
	Primer	<b>MasterSeal P 627 or MasterSeal P 2525</b> Epoxy, 2-component	0.25
	Sand Broadcast	<b>F5 or MasterTop SRA 3#</b> Oven dried Silica Sand (0.3 – 0.8mm)	1.0
	Waterproofing	<b>MasterSeal M 800</b> PU hybrid, 2-component spray applied, fast curing	2.2
	Adhesion Promoter	<b>MasterSeal P 628</b> PU, 2-component, fast curing	0.4
	Sand Broadcast	<b>F5 or MasterTop SRA 3#</b> Oven dried Silica Sand (0.3 – 0.8mm)	1.0
	Tackcoat	<b>MasterSeal P 629</b> One component, Polymer modified asphalt, solid	1.0
	Topcoat	<b>MasterTop TC 268</b>	0.5
		<b>or MasterSeal TC 260 (Vertical version)</b> PU, 2-component	0.2
	Asphalt pavement	<b>By Client</b> Minimum Thickness is 80 mm Temperature should be between 140 ~ 230°C	

**Note:** Consumptions are indicative and may be higher, depending on substrate roughness, temperature and porosity, as well as waste produced during application



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### PERFORMANCE ACCORDING TO JAPAN NEXCO GRADE II SPEC

Pavement	Test Items		Test Temperature	Test Result, MPa	Specification
WP Film	Chemical Resistant	Ca(OH) 2 Saturated solutions	23°C	Pass	Steady
		3% NaCl	23°C	Pass	Steady
		3% CaCl <sub>2</sub>	23°C	Pass	Steady
	Swell Resistant Test		23°C - 60°C	Pass	Steady
	Peel Resistant Test		23°C - 60°C	Pass	Steady
	140°C Pavement resistant (aggregates)		23°C	Pass	Steady
180° C Asphalt concrete pavement	Waterproofing property		23°C	Pass	Steady
140° C Asphalt concrete pavement	Waterproofing Property	-	23°C	Pass	Steady
		After durability	23°C	Pass	Steady
	Pull of Strength N/mm <sup>2</sup>	-	23°C	1.2 (pass)	>0.6
		After durability	-30°C	1.9 (pass)	>1.2
			23°C	1.2 (pass)	>0.6
			50°C	0.28 (pass)	>0.07
	Shear Strength N/mm <sup>2</sup>	-	23°C	0.73 (pass)	>0.15
		After durability	-30°C	2.2 (pass)	>0.8
			23°C	0.80 (pass)	>0.15
			50°C	0.24 (pass)	>0.01
110° C Asphalt concrete pavement	Pull off Strength, MPa	-	23°C	1.2 (pass)	>0.6
	Shear Strength MPa	-	23°C	0.45 (pass)	>0.15

\*Test result is extracted from Japan Nexco Grade II Test Report

#### STATEMENT OF RESPONSIBILITY

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