





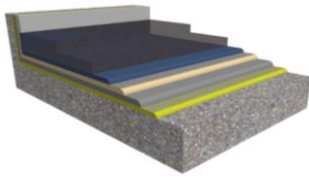


MasterSeal Bridge 5000N

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

Function		Product name	Consumption (kg/m ²)
	Primer	MasterSeal P 627 or MasterSeal P 2525 Epoxy, 2-component	0.25
	Sand Broadcast	F5 or MasterTop SRA 3# Oven dried Silica Sand (0.3 – 0.8mm)	1.0
	Waterproofing	MasterSeal M 811 PU hybrid, 2-component spray applied, fast curing	1.8 ~ 2.0
	Adhesion Promoter	MasterSeal P 628 PU, 2-component, fast curing	0.4
	Sand Broadcast	F5 or MasterTop SRA 3# Oven dried Silica Sand (0.3 – 0.8mm)	1.0
	Tackcoat	MasterSeal P 629 One component, Polymer modified asphalt, solid	1.0
	Topcoat	MasterTop TC 268 or MasterSeal TC 260 (Vertical version) PU, 2-component	0.5 0.2
	Asphalt pavement	By Client 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 ₂	23°C	Pass	Steady
	Swell resistant test		23°C - 60°C	Pass	Steady
	Peel resistant test		23°C - 60°C	Pass	Steady
	140°C Pavemenet 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 ²	-	23°C	1.52 (pass)	>0.6
		After freeze-thaw 30 cycles	-30°C	1.63 (pass)	>1.2
			23°C	1.34 (pass)	>0.6
			50°C	0.225 (pass)	>0.07
	Shear Strength N/mm ²	-	23°C	0.649(pass)	>0.15
		After freeze-thaw 30 cycles	-30°C	2.25 (pass)	>0.8
			23°C	0.697 (pass)	>0.15
			50°C	0.228 (pass)	>0.01
	Waterproofing Property	After freeze-thaw, wheel track and crack bridging	23°C	Waterproofing no cracking	WP no crack
110° C Asphalt concrete pavement	Pull off strength, N/mm ²		23°C	0.99 (pass)	>0.6
	Pull off strength, N/mm ²		23°C	0.99 (pass)	>0.6

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

STATEMENT OF RESPONSIBILITY

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