

TEST REPORT

1. No :SSR2223002

2. Client

o Name : KCC Corporation Chung Mong Ik, Chung Mong Jin

o Address : Jeonju Industrial Complex No.2, 846 Yongam-ri, Bongdong-eup, Wanju-gun, Jeon-buk, Korea

o Date of Receipt : 2012/02/23

o Date of Issued : 2012/05/04

3. Use of Report : Quality Control

4. Test Sample : SPORATHANE WATERPROOFING COAT KS CLASS 1

5. Test Results

Test Items	Unit	Sample	Test Results	Test method used
Tensile performance-Tensile strength	N/mm ²	1	4.0	KS F 3211 : 2008
Tensile performance-Elongation rate of rupture	%	1	695	KS F 3211 : 2008
Tensile performance-Tensile product	N/mm	1	549.8	KS F 3211 : 2008
Tear performance-Tensile strength	N/mm	1	18.7	KS F 3211 : 2008
Temperature dependency(-20 °C)-Tensile strength ratio-Temperature at the time of test	%	1	242	KS F 3211 : 2008
Temperature dependency(60 °C)-Tensile strength ratio-Temperature at the time of test	%	1	76	KS F 3211 : 2008
Temperature dependency(-20 °C)-Elongation rate between grips at rupture-Temperature at the time of test	%	1	355	KS F 3211 : 2008
Temperature dependency(20 °C)-Elongation rate between grips at rupture-Temperature at the time of test	%	1	396	KS F 3211 : 2008

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Affirmation	Tested by 	Technical Manager 
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Our report apply only to the standard or procedures identife and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.

Korea Conformity Laboratories President Jae Bin 

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Result Inquiry : Advanced Materials Reliability Center ☎031-429-3454

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Test Results				
Test Items	Unit	Sample	Test Results	Test method used
Temperature dependency(60 °C)-Elongation rate between grips at rupture-Temperature at the time of test	%	1	264	KS F 3211 : 2008
Heating elongation and shrinkage- Elongation and shrinkage rate	%	1	-2.1	KS F 3211 : 2008
Tensile performance after deterioration treatment-Tensile strength ratio-Heat treatment	%	1	93	KS F 3211 : 2008
Tensile performance after deterioration treatment-Tensile strength ratio-Accelerated exposure treatment	%	1	91	KS F 3211 : 2008
Tensile performance after deterioration treatment-Tensile strength ratio-Alkali treatment	%	1	106	KS F 3211 : 2008
Tensile performance after deterioration treatment-Tensile strength ratio-Acid treatment	%	1	94	KS F 3211 : 2008
Tensile performance after deterioration treatment-Elongation rate at rupture-Heat treatment	%	1	683	KS F 3211 : 2008
Tensile performance after deterioration treatment-Elongation rate at rupture-Accelerated exposure treatment	%	1	642	KS F 3211 : 2008
Tensile performance after deterioration treatment-Elongation rate at rupture-Alkali treatment	%	1	665	KS F 3211 : 2008
Tensile performance after deterioration treatment-Elongation rate at rupture-Acid treatment	%	1	678	KS F 3211 : 2008
Deterioration state at elongation-Heat treatment	-	1	None	KS F 3211 : 2008
Deterioration state at elongation-Accelerated exposure treatment	-	1	None	KS F 3211 : 2008
Deterioration state at elongation-Ozone treatment	-	1	None	KS F 3211 : 2008
Bond strength-None treatment	N/mm ²	1	1.5	KS F 3211 : 2008
Bond strength-Warm Cold Repetition treatment	N/mm ²	1	1.3	KS F 3211 : 2008
Bond strength-Warm Cold Repetition treatment-Coat status	-	1	None	KS F 3211 : 2008
Fatigue strength(Film Thickness : 1.4 mm)	-	1	None	KS F 3211 : 2008

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