

OUTDOOR MARBLE

MRK-005-0993

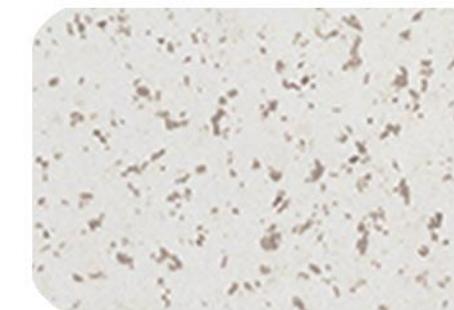
TESTED FOR OUTDOOR USE



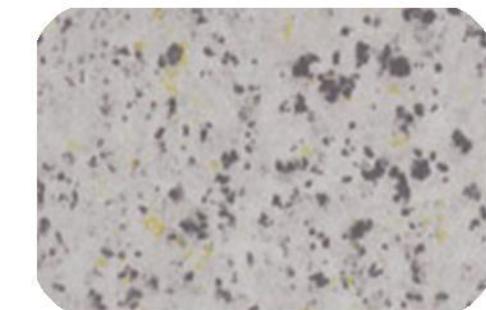
DS-0408S + 5001/01



MIRROR-058S + 5001/01



MIRROR-058S + 5014/10



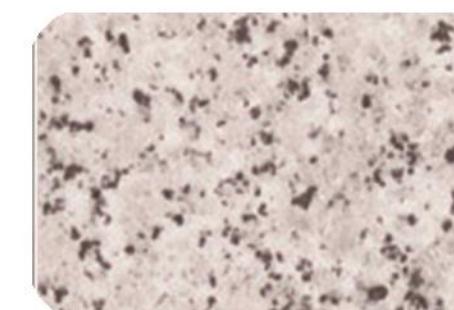
DS-0708S + 5014/03



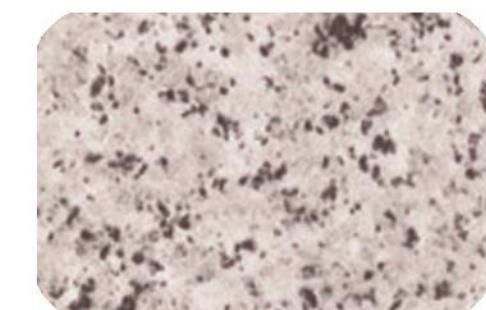
DS-0708S + 5014/04



9C-016-A001 + 5018/02



MIRRORL-183S + 5026/04



DS-0804S + 5014/01



DS-0408S + 5015/05



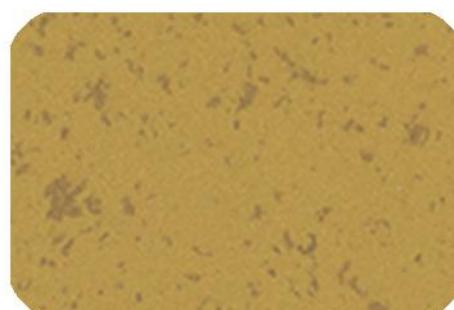
DS 752 + 5014/11



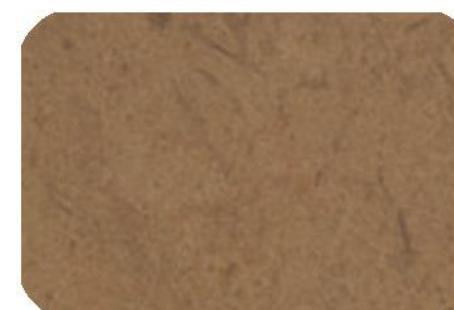
8G-233-A005 + 5014/12



DS-0408S + 5024/01



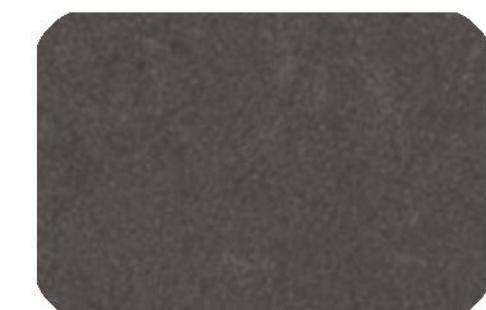
MIRROR-077 + 5014/06



MIRROR-007 + 5025/02



MIRROR-140S + 5026/02



MIRROR-107S + 5026/02

 **Decoral® System** Srl

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Test Report: Florida Natural Exposure	 Research and Development	183
 Florida Test	 Total duration: 12 months	
 EXPOSURE PERIOD: FROM: 20/08/2013 TO: 21/08/2014		
		Unexposed area (reference)
LAB ID NUMBER: 3201F POWDER COATING: DS-04085 HEAT TRANSFER FILM: 3013/05 Colour variation (Mitsubishi) residual gloss: 87%		Exposed area
Technical Remarks Excellent residual gloss and low colour variation (Mitsubishi)		
Technical Opinion:		
Suitable for OUTDOOR USE		
Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.		
QUALIFICO REQUIREMENTS The residual gloss must be at least 50% of the original gloss. The final evaluation will be made by visual inspection with the naked eye, with a maximum value of 4 on the grey scale (ISO 905-AZ3).		
<small>Most_TF_02_rev06 - Laboratory Decoral System Date: 25/11/2014 ID Report: TW-AGE-103-2014</small>		

Test Report:
Florida Natural
Exposure

 **Decoral LAB**
Research and Development

182

	Florida Test		Total duration: 12 months
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EXPOSURE PERIOD:

FROM: **20/08/2013**

TO: **21/08/2014**

LAB ID NUMBER: 32039
POWDER COATING: Mirror-1075
HEAT TRANSFER FILM: X901/G2
Colour variation (L*)**±4.3**
residual gloss 100%

Technical Remarks

Excellent residual gloss and low colour variation (ΔE).

Technical Opinion:

Suitable for OUTDOOR USE

Test was carried on samples prepared according to technical specifications supplied by our material manufacturers.

QUALIFICO REQUIREMENTS

The residual gloss must be at least 50% of the original gloss. The final evaluation must be carried out under inspection with the naked eye, with a maximum value of 4 as the gray scale (ISO 105-AE2).

●
**Unexposed area
(reference)**

Exposed
area

Moeg_182_02_rev02

Laboratory Decoral System

Date: 21/11/2014

ID Report 182-182-2014

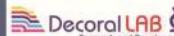
Test Report: Florida Natural Exposure		 Decoral LAB Research and Development	178
 Florida Test	 Total duration: 12 months		
		EXPOSURE PERIOD:	
FROM: 20/08/2013		TO: 21/08/2014	
LAR ID NUMBER: 320395 POWDER COATING, Mirror LK88 HEAT TRANSFER FILM XD4/01 Colour variation (ECo) 1,5% residual gloss: 100%			
<p>Technical Remarks</p> <p>Excellent residual gloss and low colour variation (ECo).</p>			
<p>Technical Opinion:</p> <p>Suitable for OUTDOOR USE</p>			
<p>Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.</p> <p>QUALIFICO REQUIREMENTS The residual gloss must be at least 50 % of the original gloss. The final evidence must be based on visual inspection with the naked eye, with a maximum value of 4 on the gray scale (ISO 105-A02).</p>			
Mod.TR.50_rev02		Laboratory Decoral System	Date: 18/11/2014
		ID Report: TR-NE-178-2014	

Test Report: Florida Natural Exposure	 Decoral LAB Research and Development	131
 Florida Test	 Total duration: 12 months	
<p> EXPOSURE PERIOD:</p> <p>FROM: 05/10/2012</p> <p>TO: 04/10/2013</p>		
<p>LAR ID NUMBER: 29918 POWDER COATING: DS-48405 HEAT TRANSFER FILM: 301A/01 Colour variation (L_a): 1.4% residual gloss: 90%</p>		
<p>Technical Remarks Excellent residual gloss and low colour variation (SE).</p>		
<p>Technical Opinion: Suitable for OUTDOOR USE</p>		
<p>Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturer.</p>		
<p>QUALIMETOIC REQUIREMENTS The residual gloss must be at least 50% of the original gloss. The final evaluation will be made by visual inspection with the naked eye, with a maximum value of 4 on the gray scale (ISO 105-A02).</p>		
		

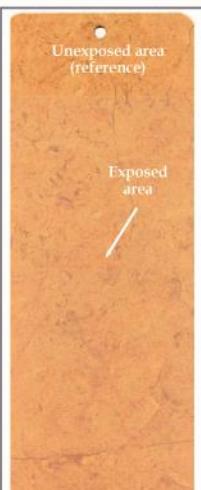
Test Report: Florida Natural Exposure	 Research and Development	129
 Florida Test	 Total duration: 12 months	
	EXPOSURE PERIOD:	
FROM: 20/12/2012	TO: 02/01/2014	
<p>LAR. ID NUMBER: 28669 PONDER COATING: DS-07085 HEAT TRANSFER FILM: M314/03 Colour variation (ME): 0,47 residual gloss: 96%</p>		
Technical Remarks Excellent residual gloss and low colour variation (ME).		
Technical Opinion: Suitable for OUTDOOR USE		
Test was carried out samples prepared according to technical specifications supplied by raw material manufacturers.		
QUALIFIED REQUIREMENTS The residual gloss must be at least 96% of the original gloss. The total evaluation of the test results based on visual inspection with the naked eye with a maximum value of 4 on the grey scale (ISO 116- ADR).		
Mod_TR_02_rev02 Laboratory Decoral System Date: 03/06/2015 IQ Report TR-NL-129-2015		

Test Report Florida Natural Exposure		10
 Florida Test		
 Total duration: 12 months.		
EXPOSURE PERIOD: <p>FROM: 18/08/2016</p> <p>TO: 18/08/2017</p>		
LAR ID NUMBER: 40245 POWER COATING SYSTEMS HEAT TREATED FILM 504/106 Colour variation (ΔE) 1,49 residual gloss: 95%		
Technical Remarks <p>Excellent residual gloss and low colour variation (ΔE).</p>		
Technical Opinion:		
Suitable for OUTDOOR USE		
Toxicity test carried out on samples prepared according to technical specifications supplied by raw materials manufacturers.		
QUALITY CONTROL REPORTS The residual gloss must be at least 95% of the original gloss. The final evaluation will be based on visual inspection with the naked eye, with a maximum value of 1 on the grey scale (ISO 905-A01)		
Mod. TR_02_1600 - Laboratory Decoral Systems Date: 31/01/2018 IQ Report TB-AF-10-2018		

Test Report: Florida Natural Exposure		31
 Florida Test	 Total duration: 12 months	
EXPOSURE PERIOD:		
FROM: 20/12/2012		
TO: 02/01/2014		
<p>LAB. ID NUMBERS: 28997 INSTRUMENT CATALOGUE: DS-0085 HEAT THERMOCOUPLE: TH001/01 Colour variation (DE): 100% residual gloss: 100%</p>		
Technical Remarks <p>Excellent residual gloss and low colour variation (ΔE).</p>		
Technical Opinion: <p>Suitable for OUTDOOR USE</p>		
<p>Test was carried on samples prepared according to technical specifications supplied by the materials manufacturers.</p> <p>QUALITY REQUIREMENTS The residual gloss should be at least 95% of the original glass. The ΔE values should not exceed the maximum values prescribed in the annexed table (see Appendix A7 of Quotation Specifications).</p>		
<small>Mod. TR_02_10007 Laboratory: Decoral System</small>		<small>Date: 18/04/2016</small>
		<small>D Report TR-AP-31-2014</small>

Test Report: Florida Natural Exposure		56
 Florida Test		 Total duration: 12 months
 <p>EXPOSURE PERIOD:</p> <p>FROM: 20/04/2015</p> <p>TO: 09/05/2016</p>		
<p>LAB ID NUMBER: 36076 POWERTEST TEST NO: 14001 HEAT TRANSFER FILM 501A/02 Colour variation (DE) 1,48 residual gloss 98%</p>		
<p>Technical Remarks</p> <p>Excellent residual gloss and low colour variation (ΔE).</p>		
<p>Technical Opinion:</p> <p>Suitable for OUTDOOR USE</p>		
<p>Test was carried on samples prepared according to technical specifications supplied by the material manufacturers.</p> <p>QUALITY REQUIREMENTS The residual gloss shall be at least 98% of the original gloss. The ΔE values shall not exceed the maximum values prescribed in the annexed table (see Appendix A² of Qualifying Specifications)</p>		
<small>Mar TR 02 (Rev02) - Laboratories Decoral System Date: 25/07/2016 IQ Report: TR-05-56-2018</small>		

Test Report: Florida Natural Exposure		120
 Floris Test	 Total duration: 12 months	
 EXPOSURE PERIOD:		Unexposed area (reference)
FROM: 27/11/2015		Exposed area
TO: 19/12/2016		
LAB. ID NUMBER: 3500 POWER CONVENTION: 10/05 HEAT TRANSFER ITEM: 50/01 Colour variation (ΔE): 1,07 residual gloss: 100%		
Technical Remarks Excellent residual gloss and low colour variation (ΔE).		
Technical Opinion:		
Suitable for OUTDOOR USE		
Test was carried on samples prepared according to technical specifications supplied by raw materials manufacturers.		
QUALITY REQUIREMENTS The residual gloss must be at least 95% of the original glass. The final evaluation will be based on visual inspection with the naked eye, with a maximum value of 4 on the grey scale (ISO 105-A05).		
Mod. TB (2) (v02) Laboratory General System		Date: 11/05/2017
		ID Report: TR-NFC-120-2012

Test Report: Florida Natural Exposure		121
 Florida Test:  Total duration: 12 months		
<p> EXPOSURE PERIOD:</p> <p>FROM: 27/11/2015</p> <p>TO: 19/12/2016</p> <p>LAB ID NUMBER: 38487 POWER COATING: Mirror-007 HEAT TREATMENT: 1000/02 Colour variation (ΔE): 3,7 residual glass: 64%</p> <p>Technical Remarks Excellent residual glass and low colour variation (ΔE).</p> <p>Technical Opinion: Suitable for OUTDOOR USE</p> <p>This test was carried out on samples prepared according to technical specifications supplied by raw materials manufacturers.</p> <p>QUALITY REQUIREMENTS The residual glass must be at least 95% of the original glass. The final evaluation will be based on visual inspection with the naked eye, with a maximum value of 4 on the grey scale (ISO 165-40).</p>		
 <p>Unexposed area (reference)</p> <p>Exposed area</p>		

 <p>09</p>	<p>Test Report: Accelerated Weathering Test</p>
 <p>Laboratory Test</p>	<p>No. 352</p>
 <p>Unexposed area (reference)</p> <p>Exposed area</p>	 <p>Unexposed area (reference)</p> <p>Exposed area</p>
<p>LAB POWDER HEAT TR C RE</p>	
<p>Technical Remarks</p> <p>Excellent residual gloss and very low colour variation detected sample.</p>	
<p>This test was carried out on samples prepared according to ... However, the resistance against accelerated weathering the resistance of the finished product. For a final</p>	

 <h1>339</h1>		Test Report: Accelerated Weathering Test	
 Date: Solar 2006HR	 Total duration: 1270h	 Laboratory Test	No. 545
 <i>(red text)</i>		 <i>(red text)</i>	
NUMBER: 39157 TESTING DS-0088 EXPERIMENTER: 2401 TEST TIME: 2,088 Gloss: 82%		LAB ID: POWDER TEST HEAT THERM: Colored Varnish residue:	
EI: after 1270 hours on		Technical Remarks Excellent residual gloss and low colour variation	
Technical Opinion: Suitable for OUTDOOR USE			
Test specifications supplied by the raw materials manufacturer. It is only one of the conditions necessary for the evaluation of a product. For a final assessment see further analysis on natural exposure in Florida.			
Test was carried out on samples prepared according to the standard. However, the resistance against accelerated weathering does not necessarily reflect the resistance of the finished product. For a final ass			

		130	Test Report: Accelerated Weathering Test	
 Device: UV Sun 2000		 Total duration: 1102 h	 Laboratory Test	No. 545
 Exposed area Unexposed area			 Unexpected (ref)	
SR: 44740 NG: DS 752 UFT: 5014/11 UFT: 879 Res: 90%			LAB ID: 10 PONDER C: HEAT TRANS: CORR: residue	Technical Remarks Good residual gloss and low colour variation (A)
After 1102 hours.		Technical Opinion: Suitable for OUTDOOR USE	Test was carried on samples prepared according to test method. However, the resistance against accelerated weathering may not reflect the resistance of the finished product. For a final assessment see further analysis on natural exposure in Florida.	
<small>specifications supplied by new materials manufacturers are only one of the conditions necessary for the evaluation of resistance to weathering. A final assessment should be made after further analysis on natural exposure in Florida.</small>				

 al LAB Research and Development		131	Test Report: Accelerated Weathering Test	
 Service: Open 2003		 Total duration: 1102 h	 Laboratory Test	
 Exposed area (reference)		 Unexposed (reference)		
ER-A4747 KS-Minor-077 DIN 50140/5 DIN 50128 DIN 7996		LAS-ID M POWDER COAT HEAT TREATMENT Color Variations		
1102 hours		Technical Remarks Excellent residual gloss and low colour variation (DIN 50140/5)		
<small> * The specifications apply to raw materials manufacturers only if one of the conditions necessary for the evaluation of the test is met. See further analysis on natural exposure in Florida. </small>				
<small> Test was carried out samples prepared according to test specification. However, the resistance against accelerated weathering does not necessarily reflect the resistance of the finished product. For a final assessment </small>				

	Series: Optron 3000
	Total duration: 1102 h
<p>Exposed area</p> <p>Unexposed reference</p>	
<p>P. 44725 Mirror 0558 LM: 50/410 0.80 86%</p>	
<p>er 1102 hours.</p> <p>Technical Opinion</p> <p>Suitable for OUTDOOR USE</p>	
<p>specifications supplied by new materials manufacturers only one of the conditions necessary for the evaluation of see further analysis on natural exposure in Rörlab.</p>	