

# ***Technical Service Report***



Revision# 0



**Testing Laboratory:**

**ACE Laboratories**

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**Customer:**

**AmCoat Industries, Inc**

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**Project #:**

DX28K2A

**Quote #:**

C22-184

**Date of Report:**

Monday, November 21, 2022

**PO#:**

**Abstract:** Analysis of two (2) products in accordance with the below test methods.

MTI#	Description of Material	Receiving Date	Sample Condition	Sampled By
ACE-220173	One (1) pint of acrylic roof coating labeled "Rhino Shield DFC Matte"	10/24/2022	Acceptable	Customer
ACE-220174	One (1) pint of acrylic roof coating labeled "Rhino Shield DFC Satin"	10/24/2022	Acceptable	Customer

## Results and Conclusion

Test #: 1

Method C 1549-16 Environmental Condition 23.4°C, 46.2% Rh

Test/Description: Solar Reflectance- unprepared

Result: **Matte = 0.837**  
**Satin = 0.852**

Requirement Report Results

Conclusion: **Matte = N/A**  
**Satin = N/A**

Test #: 2

Method C 1371-15 Environmental Condition 23.4°C, 46.2% Rh

Test/Description: Thermal Emittance- unprepared

Result: **Matte = 0.90**  
**Satin = 0.90**

Requirement Report Results

Conclusion: **Matte = N/A**  
**Satin = N/A**

Test #: 3

Method E 1980 Environmental Condition 23.4°C, 46.2% Rh

Test/Description: Solar Reflective Index, Convective Coefficient, Medium Wind (12 W·m<sup>-2</sup>·K<sup>-1</sup>)

Result: **Matte = 105.3**  
**Satin = 107.4**

Requirement Report Results

Conclusion: **Matte = N/A**  
**Satin = N/A**

## Results and Conclusion

Test #: 4

Method D 6083/D 6083M-18 Type I Environmental Condition

Test/Description: J- Water Swelling per ASTM D471

Result: Matte = 17.1%

Requirement max. 20% (mass)

Conclusion: **Matte = Pass**

## Results and Conclusion

**Conclusion:**

Results are as reported.

Testing Dates

10/28/2022 - 11/21/2022

**Tested By:**

**Andrew Jambor**  
Laboratory Technician

**Reviewed By:**

**Rodney Armstrong**  
Engineering Manager

Revision Log

Revision #	Date	Revision
0	11/21/2022	Original

## Results and Conclusion

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