

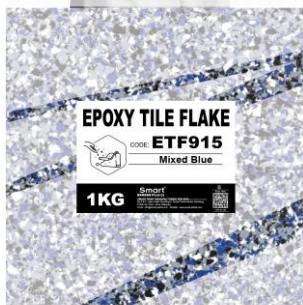


Tested by :



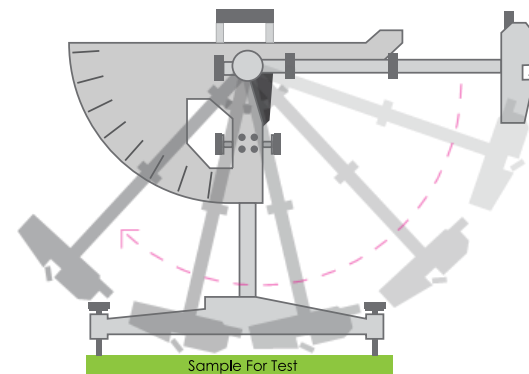
Report No : **2022CE2975- A1**  
(Full System + Anti-Slip Polymer)

Report No : **2022CE2976- A1**  
(Clear + Anti-Slip Polymer)



经过SIRIM MALAYSIA测试，防滑效果绝佳(干/湿表面测试)

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester

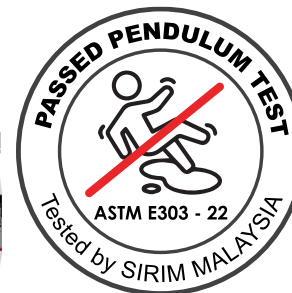


Scan Here  
To Get  
Product Detail  
扫描QR码  
可获得产品咨询



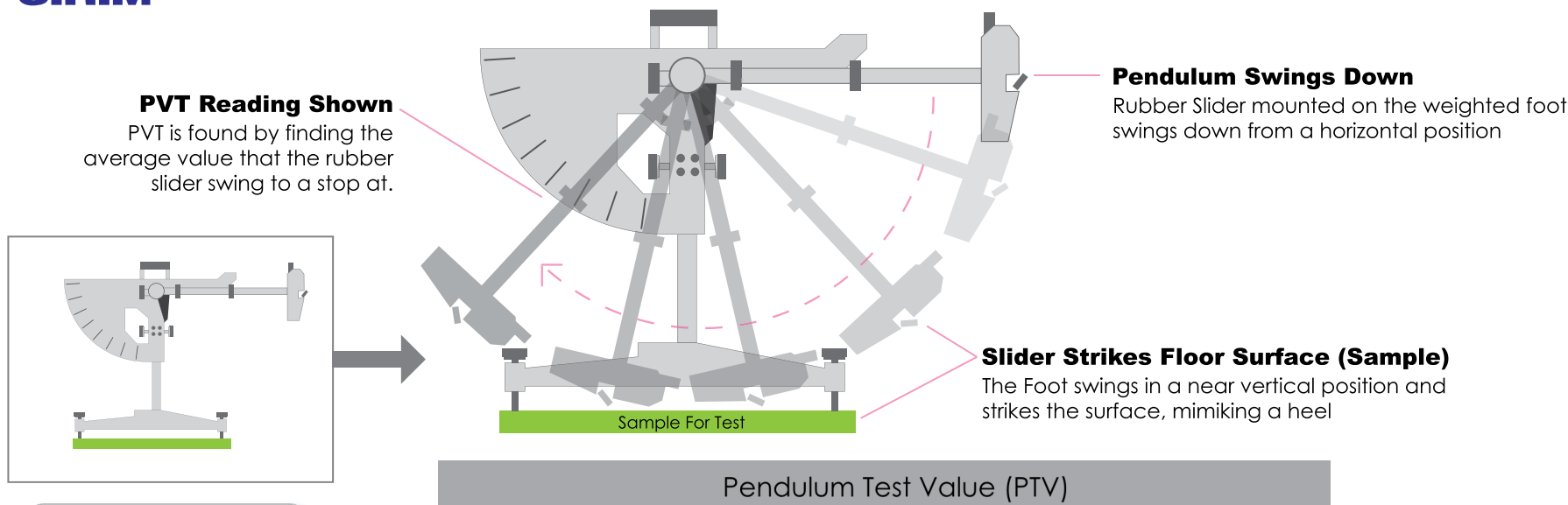


MALAYSIA  
BRAND  
LAGI BEST



## Pendulum Test

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester



潮湿表面  
测试结果

干燥表面  
测试结果

表面滑  
**HIGH**

0 - 24 PTV  
Surface is slippery even  
in dry conditions

表面适量防滑  
**MODERATE**

25 - 35 PTV  
Surface has a little bit of  
slip resistance in dry  
conditions

表面  
超级防滑  
**LOW**

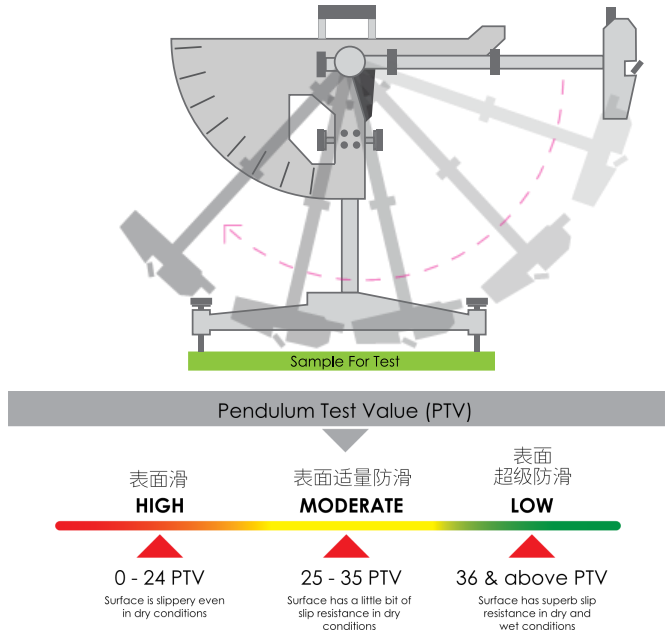
36 & above PTV  
Surface has superb slip  
resistance in dry and  
wet conditions



# 经过SIRIM MALAYSIA测试， 防滑效果绝佳(干/湿表面测试)

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester

Painting System :  
Epoxy Tile Finish With Anti-Slip Polymer Full System (with Flake)



SIRIM QAS International Sdn. Bhd.  
(Company No.: 199601037981 (410334-X))  
No.1, Persiaran Dato' Menteri, P.O.BOX 7035, Section 2,  
40700 Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: 03-55445167  
Fax: 03-55446688  
www.sirim-qas.com.my

### TEST REPORT

REPORT NO : 2022CE2975-A1	PAGE : 1 OF 3
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

### THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant	: SMART PAINT MANUFACTURING SDN. BHD. No. 11, Jalan Indah Gemilang 5, Taman Perindustrian Gemilang, 81800 Ulu Tiram, Johor, Malaysia.
Manufacturer	: SMART PAINT MANUFACTURING SDN. BHD. No. 11, Jalan Indah Gemilang 5, Taman Perindustrian Gemilang, 81800 Ulu Tiram, Johor, Malaysia.
Product	: <u>Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (With Flakes)</u>
Reference Standard / Method of Test	: ASTM E303 - 22 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester
Description of sample	: Received one (1) sample of Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (With Flakes) for testing. The details are described in the next page
Date Received of Complete Application	: 16 December 2022
Job No.	: J20223672615
Description of Test Results	: The test results of the submitted test sample are described in next page of this test report
Issued Date	: 21 December 2022
Approved Signatory:	

(MUHAMMAD FAIZ BIN ZAINO) Testing Executive  
(HAHNAS BINTI MAHBUT) Head  
Chemical, Polymer and Composite Section  
Testing Services Department



REPORT NO : 2022CE2975-A1	PAGE : 2 OF 3
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

### Notes :

- 1) This is an amendment test report
- 2) The SIRIM Test Report No. 2022CE2975-A1 cancels and replaces the SIRIM Test Report No. 2022CE2975 dated 13<sup>th</sup> December 2022 due to the change of Product Name and Product Description as requested by the applicant

### Test Results

Product	: Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (With Flakes)
Brand	: Smart Paints
Product Description	: Smart Paints Epoxy Tile Finish With Anti-Slip Polymer. 100% Solid, Solvent Free 2 Pack System
Test Method	: ASTM E303 - 22 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

No.	Type of Test	Results
1.	Skid Resistance Test, BPN	
1.1	<u>Wet Condition</u>	<u>73</u>
1.2	<u>Dry Condition</u>	<u>114</u>

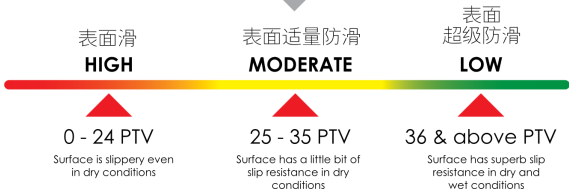
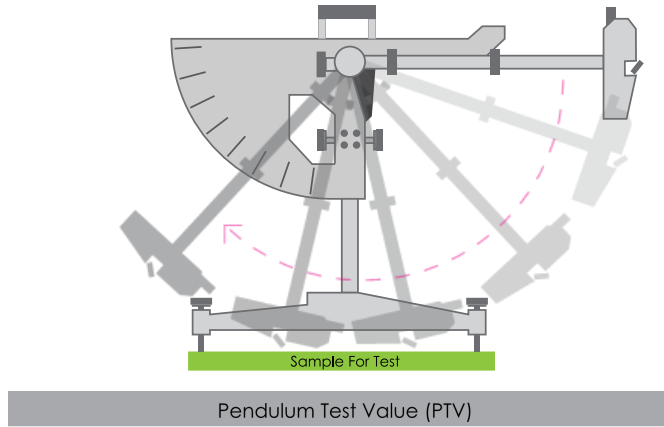
\*BPN - British Pendulum Number, higher number, less skid.



# 经过SIRIM MALAYSIA测试， 防滑效果绝佳(干/湿表面测试)

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester

Painting System :  
Epoxy Tile Finish With Anti-Slip Polymer Full System (without Flake - **Clear**)



SIRIM QAS International Sdn. Bhd.  
(Company No.: 199601037681 (410334-X))  
No. 1, Persiaran Dato' Menteri, P.O. BOX 7035, Section 2,  
40700 Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: 03-55445167  
Fax: 03-55446988  
www.sirim-qas.com.my

## TEST REPORT

REPORT NO : 2022CE2976-A1	PAGE : 1 OF 3
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant : SMART PAINT MANUFACTURING SDN. BHD.  
No. 11, Jalan Indah Gemilang 5,  
Taman Perindustrian Gemilang,  
81800 Ulu Tiram, Johor, Malaysia.

Manufacturer : SMART PAINT MANUFACTURING SDN. BHD.  
No. 11, Jalan Indah Gemilang 5,  
Taman Perindustrian Gemilang,  
81800 Ulu Tiram, Johor, Malaysia.

Product : Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (Without Flakes - Clear Finish)

Reference Standard / Method of Test : ASTM E303 - 22 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

Description of sample : Received one (1) sample of Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (Without Flakes - Clear Finish) for testing. The details are described in the next page

Date Received of Complete Application : 16 December 2022

Job No. : J20223672614

Description of Test Results : The test results of the submitted test sample are described in next page of this test report

Issued Date : 21 December 2022

Approved Signatory:

(MUHAMMAD FAIZ BIN ZAINOBI)  
Testing Executive

(HAHNAS BINTI MAHBUT)  
Head  
Chemical, Polymer and Composite Section  
Testing Services Department

REPORT NO : 2022CE2976-A1	PAGE : 2 OF 3
This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Head of Quality, Occupational Safety and Health & Environment (QOSHE), SIRIM QAS International Sdn. Bhd. Please refer to the last page of this Test Report for Conditions Relating to the Use of Test Report.	

Notes :

- 1) This is an amendment test report.
- 2) The SIRIM Test Report No. 2022CE2976-A1 cancels and replaces the SIRIM Test Report No. 2022CE2976 dated 13<sup>th</sup> December 2022 due to the change of Product Name and Product Description as requested by the applicant

## Test Results

Product : Smart Paints Epoxy Tile Finish With Anti-Slip Polymer (Without Flakes - Clear Finish)

Brand : Smart Paints

Product Description : Smart Paints Epoxy Tile Finish With Anti-Slip Polymer. 100% Solid, Solvent Free 2 Pack System

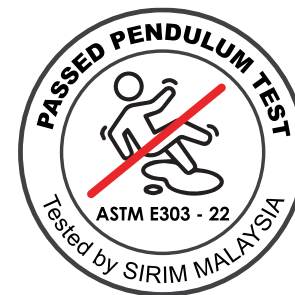
Test Method : ASTM E303 - 22 Standard Test Method for Measuring Surface Frictional Properties Using the British Pendulum Tester

No.	Type of Test	Results
1.	Skid Resistance Test, BPN	
1.1	<u>Wet Condition</u>	<u>45</u>
1.2	<u>Dry Condition</u>	<u>114</u>

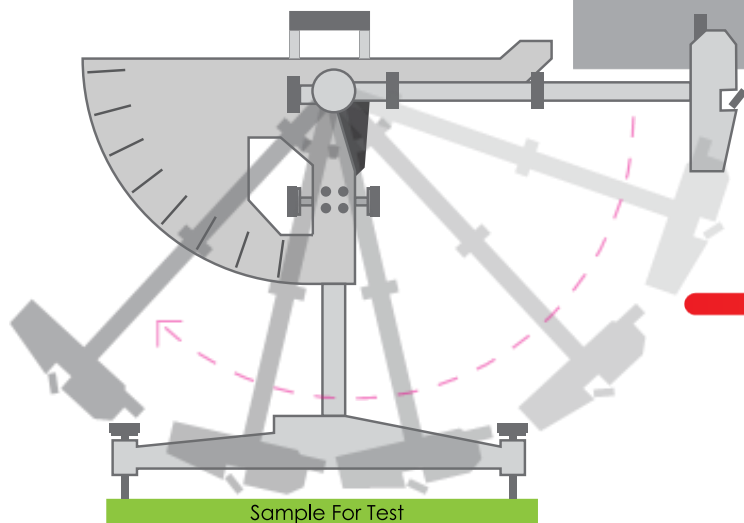
\*BPN - British Pendulum Number, higher number, less skid.







## Pendulum Test Value (PTV)



Report No : **2022CE2975- A1**  
(Full System + Anti-Slip Polymer)

Report No : **2022CE2976- A1**  
(Clear + Anti-Slip Polymer)

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester

Tested by :



潮湿表面  
测试结果

干燥表面  
测试结果

表面滑  
**HIGH**

0 - 24 PTV

Surface is slippery even  
in dry conditions

表面适量防滑  
**MODERATE**

25 - 35 PTV

Surface has a little bit of  
slip resistance in dry  
conditions

表面  
超级防滑  
**LOW**

36 & above PTV

Surface has superb slip  
resistance in dry and  
wet conditions

(With Flake)  
(Full System + 4% Anti-Slip Polymer)

WET  
CONDITION  
(With Flakes)

**73**  
PTV



DRY  
CONDITION  
(With Flakes)

**114**  
PTV

(Without Flake)  
(Topcoat Clear + 4% Anti-Slip Polymer)

WET  
CONDITION  
(Without Flakes)

**45**  
PTV



DRY  
CONDITION  
(Without Flakes)

**114**  
PTV



# Epoxy Tile Finish : 100% Solid, Solvent Free

## (2 Pack System)

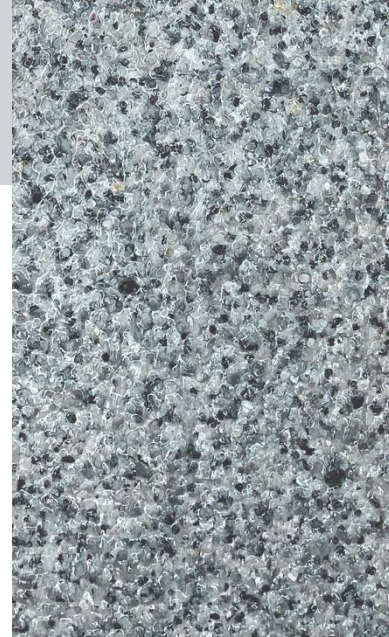
Actual effect after applying full system



Code :  
**ETF901**  
White



Code :  
**ETF903**  
Black



Code :  
**ETF910**  
Mixed Light Grey

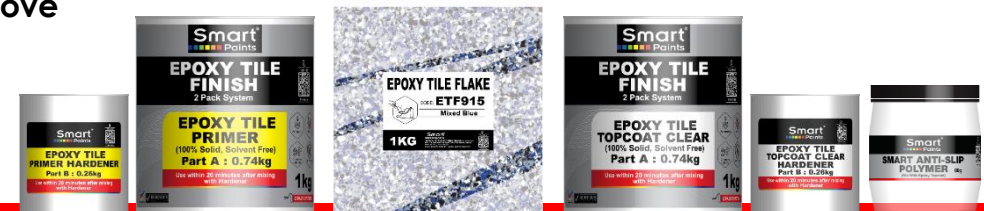


Code :  
**ETF902**  
Dark Grey



Code :  
**ETF916**  
Mixed Brown

- Above visual base on white colour epoxy primer with full epoxy system
- Difference colour of primer OR existing tile colour may look very from above
- This illustration for reference guide only.
- 以上图片以白色环氧底漆和全套Epoxy Tile Finish施工
- 不同色彩的底漆或瓷砖所呈现的效果对比上图会有所差异
- 此图片仅供参考

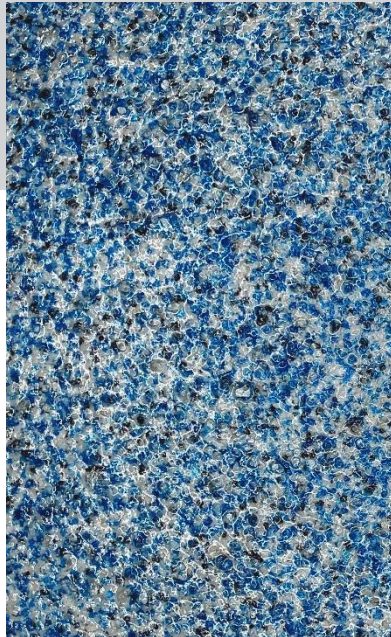




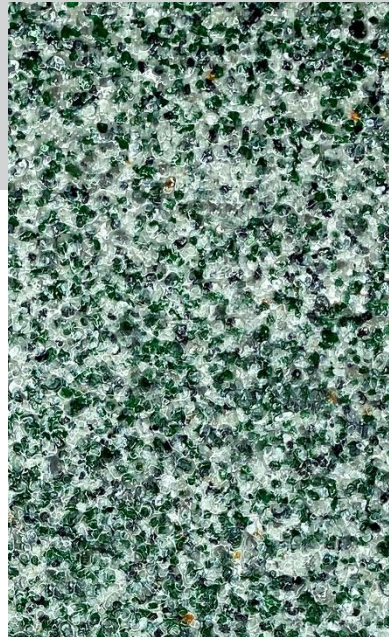
# Epoxy Tile Finish : 100% Solid, Solvent Free

## (2 Pack System)

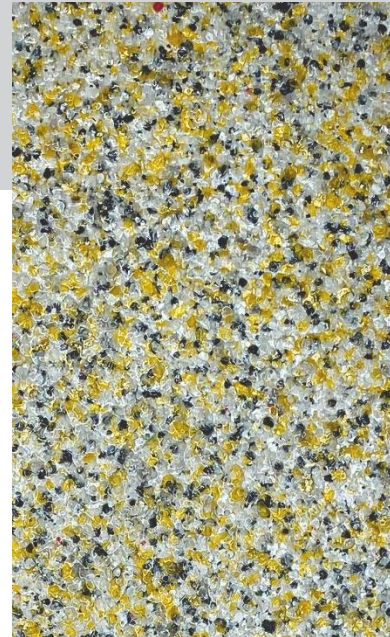
Actual effect after applying full system



Code :  
**ETF915**  
Mixed Blue



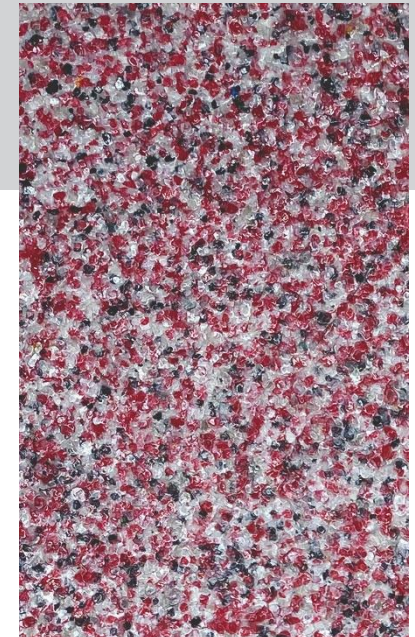
Code :  
**ETF914**  
Mixed Green



Code :  
**ETF913**  
Mixed Yellow

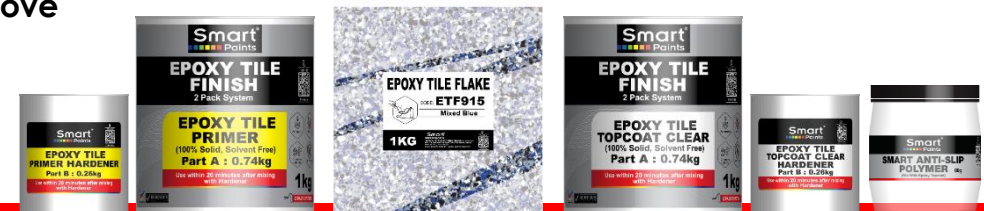


Code :  
**ETF912**  
Mixed Orange



Code :  
**ETF911**  
Mixed Red

- Above visual base on white colour epoxy primer with full epoxy system
- Difference colour of primer OR existing tile colour may look very from above
- This illustration for reference guide only.
- 以上图片以白色环氧底漆和全套Epoxy Tile Finish施工
- 不同色彩的底漆或瓷砖所呈现的效果对比上图会有所差异
- 此图片仅供参考





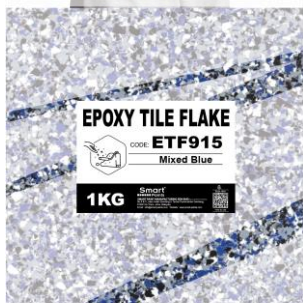


Tested by :



Report No : **2022CE2975- A1**  
(Full System + Anti-Slip Polymer)

Report No : **2022CE2976- A1**  
(Clear + Anti-Slip Polymer)



# SUPERB SLIP RESISTANT

经过SIRIM MALAYSIA测试，防滑效果绝佳(干/湿表面测试)

Testing Method : ASTM E303 - 22 Standard Test Method For Measuring Surface Frictional Properties Using the British Pendulum Tester

