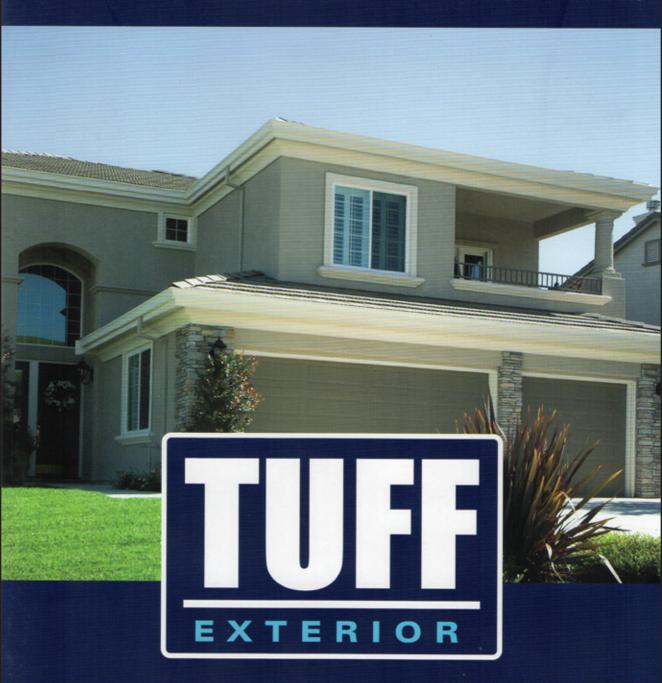
BERGER PAINTS











240 COLOUR CARD



TUFF EXTERIOR is a Nano emulsion based exterior paint suitable for the tough Middle Eastern climate. Due to superior technology, it provides excellent long lasting adhesion on a variety of smooth or textured surfaces coupled with good anti-microbial resistance.

تاف اكستيرير هو مستحلب نانو يستخدم كطلاء خارجي لكونه أكثر ملائمة للمناخ القاسي في الشرق الأوسط. وبفضل التكنولوجيا المتفوقة، فإنه يوفر الإلتصاق الممتاز والطويل الأمد على مجموعة متنوعة من الأسطح المساء أو الخشنة بالإضافة إلى ميزة المقاومة الجيدة ضد الميكروبات.

وذلك للحصول على ما يلى:

• أفضل التصاق على الأسطح

القوة في سلامة طبقة الطلاء

مقاومة ممتازة للفرك والتنظيف



TUFF EXTERIOR uses Nano emulsion giving it:

- · Better Adhesion to surface
- Strong Film Integrity
- Excellent Scrub Resistance
- . Good UV Protection





5 x tougher film to withstand the wear and tear of extreme weather conditions of the hot and dusty Middle Eastern climate.

٥x مرات مقاومة أكبر لطبقة الطلاء وقدرة على الإحتمال من التهتك والبلاء نتيجة الحرارة والأتربة والظروف الجوية القاسية في منطقة الشرق الأوسط.

حماية جيدة من الأشعة فوق البنفسجية

تاف اكستيرير يستخدم مستحلب نانو





Combination of Nano emulsion ensures that the colours retain its long lasting looks in the Middle Eastern climate.

مزيج من مستحلب نانو يضمن إحتفاظ الألوان بنضارتها واشرافها لمدة طويلة ويحميها من الأشعة فوق بنفسجية في مناخ الشرق الأوسط.





TUFF EXTERIOR promise of 4 years performance against flaking and chalking protecting the exteriors in the Middle Eastern climate.

يضمن تاف اكستيرير أداءً مميزاً يستمر لمدة ٤ سنوات بعيداً عن التقشر والعطب ليحمي بذلك المظهر الخارجي من عوامل الطقس الصعبة في الشرق الأوسط.



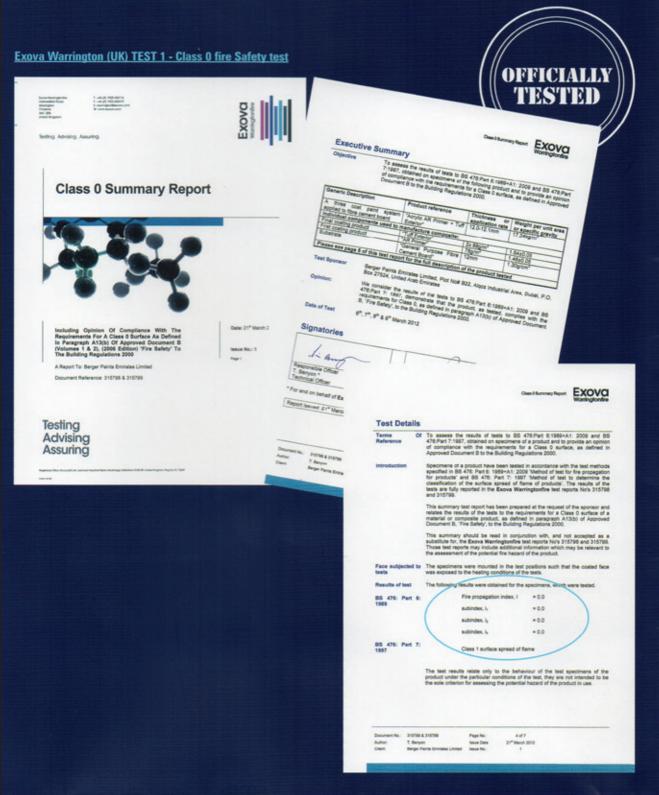




EXOVA TEST CERTIFICATES

TUFF EXTERIOR has been designed by Berger Paints for the tough Middle Eastern climate using the latest in paint technology.

This hard working emulsion has been vigorously tested by Exova, one of the world's largest dedicated testing group, trusted by leading organisations to test and advise on the safety, quality and performance of their products and operations.





REPORT OF TESTS

Description	One Sample of Tuff Exterior Berger Paints Eminises Ltd., P.O. Box. 27524, Dubai - U.A.E.		
Tested for			
Lab Ref. No.	WR12-02748 (Page 1 of 2)	Reques No.	D12-00908
Date Received	04.04.2012	Date Reported	10.05.2012

Client's reference Sample reference ATE sample so.

P.O.No. 10633, Regulation deed. 03.04.2012 Tuff Exterior D12-00908/01

1.0 Introduction

Further to the test work instructions received from M/s. Berger Paints Emirates Ltd. Dubel, dated 00.04.2012, one sample of paint has been received for the following by AI Futtain Exces LLC;

Wat Scrab Test for Tull Exterior

PANEL PREPARATION

Liquid Patrice of Telf Entatrics was applied using 180y Sheen Film applicator to a length of 35 - 40 Cm. The west South Preside used are Black War South Lenesta Passin of Size 4Cm as 4Cm as 350m. The presides are costed as 1534°C at a raides humidity of 55 - 60% for a period of 7 days. After this the postels are subjected to the test as mensioned.

TEST PROCEEDURE:

TISSITEMENTALECTURES.

The test was carried out Sirillar to ASTM D 2486 (Standard Test Methods for Sorub Resistances of Wall Distinct) using Sheen West Albenders Serub Tomer Berli 1907. The briskins are from classed with water and jogged for 400 cycles before starting the test over as menty sturb peach. A shift was placed on the glass reflect ever which two test peach of the company of the starting of the test over a starting of the classes. The Song solution is used as sorted and the starting the factories. The Song solution is used as sorted and the starting the starting the factories and the starting that the starting the starting that the starting

3.0 Results

Results are given on the attached sheets.

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WR12-02748 (Page 2 of 2)

10.05.2012





AI RESULTS A DISCUSSION.

After 6150 strokes it was observed that the paint has been removed from the scrub panels over the shim area. Black color against the white topcost was visible.

Test	Pagel I	Pinel 2	
Wet Scrub resistance test ASTM D 2486	6150 strokes	6150 strokes	
Observation	Complete removal of paint observed from the shim area after 6150 strokes	Complete removal of paint observed from the shim area after 6150 strokes	

Exova TEST 3 - UV resistance test



Patricia in "

Terfing, Advising, Assuring, REPORT OF TESTS.

Description	One Sample of Tuff Exterior Panel Berger Phints Emirates Ltd Co.(L.L.C), P.O.Bers: 27524, Dubai, UAE		
Tested for			
Lab Ref. No.	WR12-04799 (Page of 1)	Request No.	D12-40801
Date Received	09.02.2012	Date Reported	30.06.2012

Client's reference

P.O.6 10526, date: 25.03.2012 Tuff Exterior Panel D12-00801.0

1.4 Introduction

Further to the test work instructions received from Mis, Berger Paints Emirates Ltd Co (L.L.C), Dubus, dated 26.03.2012, one sample of Tuff Exterior Panel provided has been second for the delibering by ALF DELETH EXTERNAL

UV Roistance

Test Method Total exposure Type of exposur Cabinet tempers

ASTM G 154: 06 UVA 60°C for UV Cycle 50°C for Condensal mation Cycle

Visual Observation

After Exposure The coated panels are off while in colour/No visible change in the original appearance and without any indication of deterioration, No evidence of any flaking. Cracking of flows tracts are avident.

Minute tracts are avident.

Minute Tracking observed.

S.R. Lofus

For each on Either of all Pertains Exercy (L.L.C.)
Test was subcestracted to Exercy group belowatery. Date sensed 21.66, 20/2
Sampled by the closes, constitute of sampling was not give.
This control and with temperature group and the sampling was subject.
This control and with temperature group and the sampling was subject.

PHOTOGRAPH Exovo III completed the named as received If he sample after 2000 hours exposure

A 262001















GET THE LOOK

Keep a dignified front. Painting the exterior is less about personal expression and more about suiting the style of the house in a timeless palette of colours. Exteriors look more beautiful and harmonious when painted in a maximum of three shades, but even one colour will update your home. Here are five colour combinations to help you achieve the look that suits you.



→ GET THE LOOK CONTEMPORARY

A fashionable, earthy neutral will immediately give the exterior an up-to-date personality. The lovely taupe on the walls is Tuff-Mist Tail. Paint the garage door in the same colour to make it blend with the house; garage doors should not be a feature. The trim is in a crisp white, Tuff-Wool Pack and the front door has wow factor in a glossy black, Tuff-Tinkers Pot.







Tinkers Pot (1325)

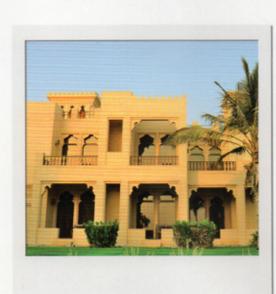
→ GET THE LOOK TRADITIONAL

The ornate detail of this wonderful building means that it needs less colour changes, the effect is more elegant when the highly decorative elements aren't featured in a contrasting shade. The rendered walls are painted in a delightful, peachy shade Tuff-Carpet on Wall, the window trim is in the same colour but in a high gloss finish. Balustrades are Tuff-Happy Brown for a gentle contrast.





Happy Brown (T298) Carpet on Wall (T110)





→ GET THE LOOK CLASSICAL

An elegant villa looks cool when painted in a timeless off-white, Tuff-Foggy White. This palest of shades gives the house a fresh effect and a Mediterranean style. The sandstone trim, balustrades, columns and cornices have been left in their natural colour as a decorative feature. The window trim has been given a watery shade, Tuff-Mazarine Turf and the Juliette balcony and gutters are finished in a deep grey Tuff-Dark Grey.







Foggy White (T300) Mazarine Turf (T289) Dark Grey (T207)

→ GET THE LOOK MODERN

The simplicity of the design of this house requires that the colour scheme follows the clean lined style. Tuff-Pink Heart a pale apricot shade has been used on the walls, the clean lines have been accentuated in a crisp stripe of white Tuff-Statesman Code, this addition of the sharp white gives the design a real edge. The window trim has been defined in a sophisticated charcoal grey, Tuff-Ebony Gray.



Pink Heart (T103)





Ebony Gray (T324) Statesman Code (T302)





→ GET THE LOOK LUXURY

The dignity of this grand home is enhanced by the heritage colour palette, a layering of warm traditional tones have been used on this villa for a luxurious effect. The lovely neutral on the walls and columns is Tuff-Flounce Bounce, a colour with just a hint of peach. The decorative mouldings have been highlighted in Tuff-New Palace. The window trim is defined in a deep ash brown Tuff-Grizzy Paw.







Flounce Bounce(T221) New Palace (TJ78) Grizzy Paw (T297)



EXTERIO	O R					
TUFF EXTERIOR SIGNATURE COLOURS						
Rich Magnolia	TJ66	Dark Ridge	T)64			
New Ivory (10815)	T)67	Dark Cream	TJ14			
Light Cream	T)18	Light Nectar	TJ30			
Sonnet	TJ15	New Palace	TJ78			
			1			
Dark Pastel	T)63	New Peach	TJ46			

Light Fawn

TJ68

Dark Tan

TJ29







240 COLOUR CARD

















Designed for the extreme Middle Eastern climate, TUFF EXTERIOR emulsion uses Nano Technology to deliver a 4 year film integrity performance against flaking and chalking.

The Nano Technology in TUFF EXTERIOR provides excellent long lasting adhesion on a variety of smooth or textured surfaces. In addition to its high scrub resistance, the excellent binding capability of Nano Technology gives TUFF EXTERIOR excellent UV resistance and provides long lasting aesthetics to exterior facades.

THE NANO 4 POINT PROMISE:

1 I NANO PARTICLE

Smallest particle gives deepest penetration

2] NANO BOND

Deepest penetration gives toughest binding

3 | NANO STRENGTH

Toughest binding gives strongest adhesion & overall strength

4] NANO LIFE

Lasts longer & is stronger than conventional paint films صمم خصيصاً للمناخ القاسي في الشرق الأوسط، حيث يستخدم مستحلب تاف اكستيرير تقنية النانو ليضمن سلامة القشرة الخارجية ويحقق أداءً مميزاً بعيداً عن التقشر والعطب يستمر لمدة ٤ سنوات.

تقنية النانوفي تاف اكستيرير يوفر الإلتصاق الممتاز والطويل الأمد على مجموعة متنوعة من الأسطح المساء أو الخشنة. وبالإضافة إلى ميزة المقاومة الممتازة للفرك والتنظيف، فإن القدرة المتفوقة لتقنية النانو تمنح تاف اكستيرير القدرة الفائقة للحماية من الأشعة الفوق بنفسجية ليحافظ بذلك على نضارة الألوان والجمال الخارجي لمدة طويلة.

٤ نقاط تعدكم بها النانو

١) جسيمات النانو

الجسيمات البالغة الصغر تمنح تغلغلا أعمق

٢) تماسك النانو

التغلغل العميق يمنح التغليف الأقوى والأمتن

٣) متانة النانو

التغليف الأقوى والأمتن يمنح الإلتصاق المحكم

والقوة الشاملة

٤) عمر النانو

يستمر لفترة أطول وبشكل أقوى من طبقات الطلاء التقليدية



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