

Client's name : SAINT-GOBAIN VIETNAM LTD
Tên khách hàng : CÔNG TY TNHH SAINT-GOBAIN VIỆT NAM

Client's address : LOT C20B, STREET 11, HIEP PHUOC INDUSTRIAL PARK, HIEP PHUOC VILLAGE, NHA BE DISTRICT, HCM CITY
Địa chỉ : LÔ C20B, ĐƯỜNG 11, KHU CÔNG NGHIỆP HIỆP PHƯỚC, XÃ HIỆP PHƯỚC, HUYỆN NHÀ BÈ, TP.HCM

The following sample(s) was/were submitted and identified by the client as:

Các thông tin nhận dạng mẫu do khách hàng cung cấp:

Name of sample / Tên mẫu : MÀNG CHỐNG THẤM TỰ DÍNH WEBERPROOF HDPE

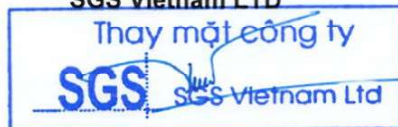
Quantity / Số lượng mẫu : 01 sample / mẫu

Date of receiving / Ngày nhận mẫu : 29-May-2023

Date of testing / Ngày thử nghiệm : From / từ 30-May-2023 to / đến 31-Aug-2023

Test result / Kết quả thử nghiệm : See next page(s) / Xem trang sau

Signed for and on behalf of
SGS Vietnam LTD



Luu Van Trung
Laboratory Supervisor
Industrial Services

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1. UV Exposure / Thử nghiệm UV

I. Test Conducted / Tiến hành thử nghiệm:

Test Standard / Tiêu chuẩn thử nghiệm: ASTM G154-16 cycle 1

Assessment Standard / Tiêu chuẩn đánh giá: ISO 105-A02-1993 Cor 2:2005

II. Test Conditions / Điều kiện thử nghiệm:

Lamp / Đèn chiếu xạ : UVA-340

Test cycle / Chu kỳ thử nghiệm:

- Light stage / Giai đoạn ánh sáng : 8h, 60°C, 0.89 W/(m²•nm) @340nm
- Condensation / Ngưng tụ : 4h, 50°C

Testing time / Thời gian thử nghiệm : 1000 hrs / giờ

III. Test Results / Kết quả thử nghiệm:

Requirement: No blistering, peeling, cracking, softening, crazing or disintegration was observed.

Yêu cầu: Không có hiện tượng phồng rộp, bong tróc, nứt, mềm, rạn nứt hoặc phân rã.

	Sample 2-1 Mẫu 2-1	Sample 2-2 Mẫu 2-2	Sample 2-3 Mẫu 2-3
Grade	4	4	4
Conclusion / Kết luận (Visual check / Kiểm tra trực quan)	PASS ĐẠT	PASS ĐẠT	FAIL KHÔNG ĐẠT

Note Grey scale: Rating is based on the 9-step scale of 1 to 5, where 1 is bad and 5 is good.
Ghi chú: Thang màu xám: Xếp hạng dựa trên thang 9 bậc từ 1 đến 5, trong đó 1 là xấu và 5 là tốt.

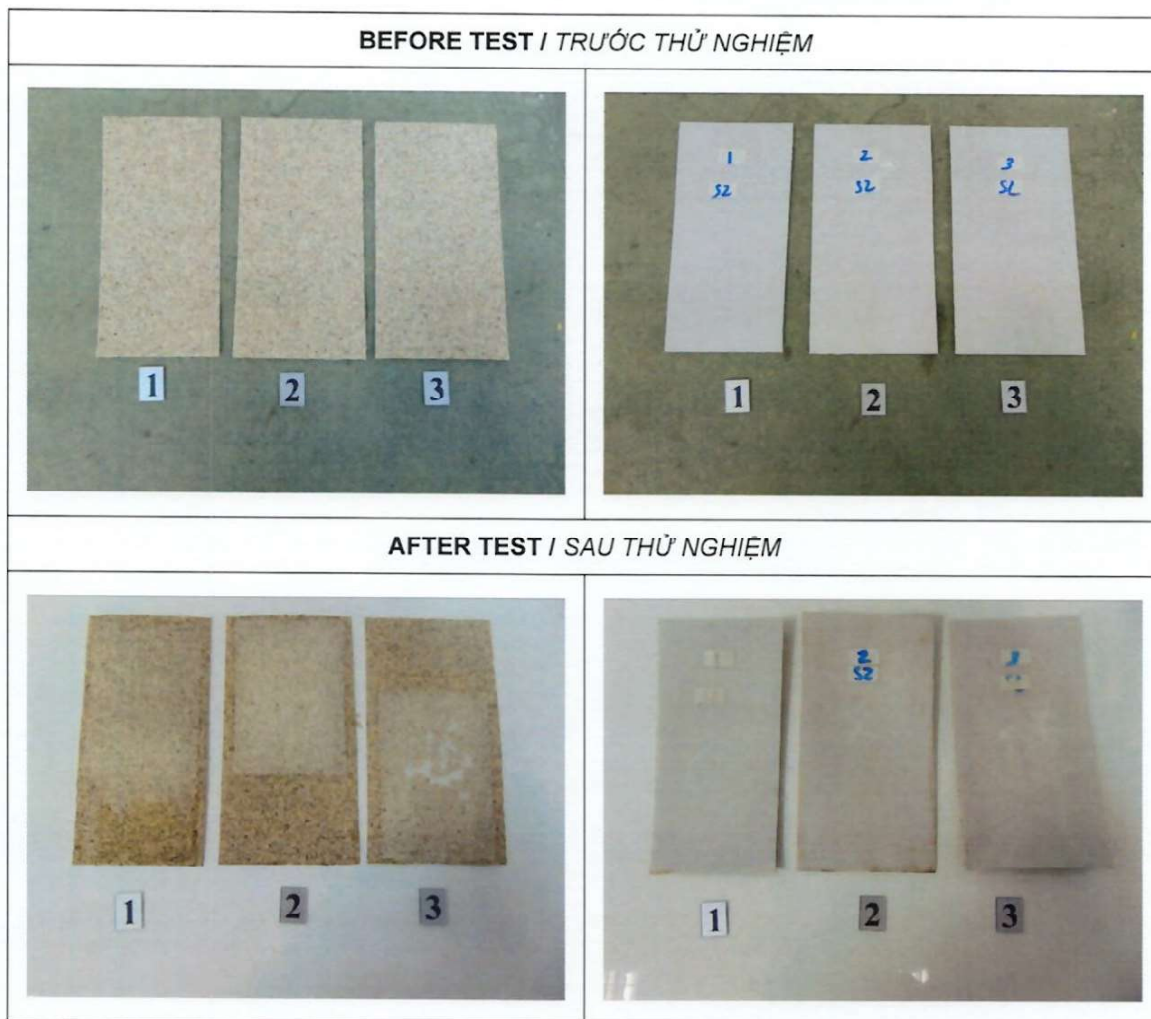
Remark: This / these test(s) was / were performed by SGS Vietnam's Hardline Lab
Ghi chú: Thử nghiệm này được thực hiện bởi PTN Hardline của SGS Việt Nam

*** TO BE CONTINUED ***

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PHOTO OF SUBMITTED SAMPLE FOR TESTING / HÌNH ẢNH MẪU THỬ NGHIỆM



*** TO BE CONTINUED ***

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Characteristic <i>Tên chỉ tiêu</i>	Unit <i>Đơn vị</i>	Test method <i>Phương pháp thử nghiệm</i>	Test result <i>Kết quả thử nghiệm</i>
2. Tensile strength after UV test (*) (a) <i>Độ bền kéo sau UV</i>	MPa	ASTM D412 - 16 (Reapproved 2021)	12.5
3. Elongation at break after UV test (*) (a) <i>Độ giãn dài khi đứt sau UV</i>	%	ASTM D412 - 16 (Reapproved 2021)	507

Note / Ghi chú:

- (*) The test was accredited ISO 17025:2017 by VILAS / *Chỉ tiêu được công nhận ISO 17025:2017 bởi VILAS.*
ILAC: International Laboratory Accreditation / *Tổ chức hợp tác công nhận Phòng thử nghiệm quốc tế.*
MRA: Mutual Recognition Arrangement / *Thỏa ước thừa nhận lẫn nhau.*
ILAC-MRA -VILAS: VILAS is the full member and signatory of Mutual Recognition Arrangement with International Laboratory Accreditation / *VILAS là thành viên đầy đủ và ký thỏa ước thừa nhận lẫn nhau với tổ chức công nhận phòng thử nghiệm quốc tế.*
- Lab environmental conditions / *Điều kiện môi trường phòng thử nghiệm :* (23 ± 2) °C, (50 ± 10) %RH.
- (a) Test speed : 500 mm/min / *Tốc độ thử : 500 mm/phút.*

*** END OF THE REPORT ***

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