United Arab Emirates
Ministry of interior
Civil Defense G.H.Q

دولة الامارات العربية المتحدة
وزارة الداخلية
القيادة العامة للدفاع المدني
لجنة اعتماد المختبرات العالمية
وبيوت الخبرة ومعاهد التدريب

Date: April 4, 2019

CERTIFICATE OF COMPLIANCE WHI19 – 31485201 UAE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	1. 103453907MID-003A 2. 103430399SAT-014C Rev 1 3. 103453907SAT-002 4. EFR-18-HC-001769A 5. EFR-18-HC-001769B 6. EFR-18-HC-003188 7. EFR-18-SBI-001769 8. EFR-18-001769-Revision 1	**CERTIFICATE NUMBER**	WHI19 – 31485201
DATE OF ISSUE	1. October 9, 2018 2. September 4, 2018 3. January 18, 2019 4. November 8, 2018 5. November 8, 2018 6. November 8, 2018 7. November 8, 2018 8. November 12, 2018	**DATE OF ISSUE**	April 3, 2019
DATE OF EXPIRY	Not Applicable	**DATE OF EXPIRY**	April 3, 2024
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Scheerders Van Kerchove's Verenigde Fabrieken NV (dba SVK nv)	**NAME OF THE BRAND**	SVK-Colormat fiber-cement panels
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Aerschotstraat 114, B-9100 Sint-Niklaas, Belgium	**MODEL / NO**	SVK-Colormat fiber-cement panels
WEBSITE	www.svk.be	**LOGO ON THE PRODUCT**	N/A
TEL	+32 3 7604900	**EMAIL**	Erind.jushaj@svk.be

Arlington Heights, Illinois, USA
Reviewed and Approved
intertek

Product Details From Test Report		Reference Test Report page NO
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	SVK Colormat: The panels are color through-and-through and are slightly sanded. Depending upon the level of finishing (Colormat Classic-having a superficial line and, Colormat Scripto-having a clear line pattern, or Colormat Touch-having a structured, velvety appearance), the sanding makes the panels directional with the direction noted by the direction of the production stamp on the back side of the panel (consult the manufacturer's published literature for color range information). Refer to Listing "SVK PURO PLUS, DECOBOARD, ORNIMAT, AND COLORMAT FIBER-CEMENT FAÇADE PANELS" under Scheerders van Kerchove's Verenigde Fabrieken NV dba SVK NV on the Intertek Directory of Building Products (https://bpdirectory.intertek.com/) for further details.	3
TEST STANDARD (SUCH AS ASTM/BS EN/ DN ETC)	ASTM D1929; Standard Test Method for Determining Ignition Temperature of Plastics, 2016 Edition ASTM E84; Standard Test Method for Surface Burning Characteristics of Building Materials, 2018a Edition EN 13501-1; Classification in terms of the behavior to fire of construction products and building elements, 2009 Edition NFPA 285; Standard Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-loadbearing Wall Assemblies Containing Combustible Components, 2012 Edition	1
TEST DESCRIPTION	**ASTM D1929 - Report No. 103453907MID-003A:** The self and flash ignition temperatures of the material were determined utilizing furnace connected to a data acquisition unit. The samples were cut to a mass of approximately 3.0 grams. **ASTM E84 - Report No. 103430399SAT-014C:** The ASTM E84 test method was intended to compare the surface flame spread and smoke developed measurements of different samples. The test specimen surface was exposed to fire on one end of the tunnel for the 10 minute test duration. The flame spread and smoke development were measured and presented against standard calibration materials.	3

	EN 13501-1 - Report Nos. EFR-18-HC001769A, EFR-18-HC001769B, EFR-18-003188, EFR-18-SBI-001769, EFR-18-001769 Revision 1: Tests were conducted in accordance with NF ISO 1716:2013. At least three specimens were tested. Tests were conducted to NF EN 13823+A1:2015 on a total of five specimens. The results of these tests yielded a fire reaction behavior of Class A2-s1, d0 in accordance with EN 13501-1. **NFPA 285 - Report No. 103453907SAT-002:** The assembly was tested in accordance with NFPA 285 (2012). The burn room thermocouples were placed at 6 inches below the first story test room ceiling and distributed according to the standard. All other instruments and measuring devices were in accordance with the standard. The window burner was centered on the vertical centerline of the window, 9 inches below the top of the opening, and with the longitudinal centerline of the burner at 3.5 inches from the plane of the exterior wall, consistent with the standard and the calibration of the test apparatus.	
SPECIFICATION OF TEST SPECIMEN	**ASTM D1929 - Report No. 103453907MID-003A:** 17 × 19 × 8 mm thick Colormat 030 samples weighing approximately 3.0 g. **ASTM E84 - Report No. 103430399SAT-014C:** 24 ft. (two 10 ft. long and one 4 ft. long) × 24 in. wide uncoated Colormat panels placed directly onto the tunnel edge. **EN 13501-1 - Report Nos. EFR-18-HC001769A, EFR-18-HC001769B, EFR-18-003188, EFR-18-SBI-001769, EFR-18-001769 Revision 1:** For each component, the ISO 1716 specimens were prepared by mixing about 0.5 g (to the nearest 0.1 mg) of component and about 0.5 g (to the nearest 0.1 mg) of paraffin oil. The EN 13823 test consisted of Colormat panels screwed onto a non-fireproofed wooden substructure with a thickness of 40 mm. The construction gave a ventilation gap of (40 ± 1) mm between fiber-cement sheet and thermal insulation. Stone wool panel insulation with a thickness of 50 mm and classified A2-s1, d0 and a density of (70 ± 20) kg/m^3 was placed on the back of the wooden substructure. The thermal insulation was imprisoned between the wooden frames and the test rig backing board. The backing side was a particleboard panel with a thickness of 12 mm and classified D-s2, d0 was positioned on the back of the insulation. On the large wing, there was a horizontal joint at 500 mm above the bottom and a vertical joint at 200 mm from the corner edge. The opening width was 8 mm. **NFPA 285 - Report No. 103453907SAT-002:** The base wall was constructed of 3-5/8 in. deep, 18 ga. steel studs and track spaced at 24 in. oc with a stud starting at the center line of the wall. The interior cladding of the base wall consisted of 5/8 in. Type X gypsum board (complies with ASTM C1396) and the exterior sheathing consisted of 5/8 in. Type X gypsum wall sheathing with	3

	fiberglass mat (complies with ASTM C1177). The interior cladding and exterior sheathing were fastened with No. 6 x 1-1/4-in. long coarse-thread drywall screws, spaced 8 in. on center along the perimeter and 12 in. on center at intermediate studs. The interior cladding joints and exterior sheathing joints were aligned at the center stud of the wall. The interior cladding received a level 2 finish. The cavities of the base wall were not insulated. A window opening measuring 30 in. high by 78 in. wide was located at the centerline of the base wall with the sill of the window located at 40 in. from the bottom of the test frame. The vertical supports of the sides of the window opening consisted of a double stud configuration per the request of the client. One layer of Carlisle CCW-705FR-A membrane air barrier was installed by first applying a coat of Carlisle CCW-702 quick-dry contact adhesive on the base wall exterior sheathing. The membrane air barrier was installed with a 2-inch overlap over previous applications of the membrane. The aluminum support structure consisted of L-shaped angle brackets and horizontal/vertical angled profile members. The brackets were installed on the wall assembly using two, 6 mm x 46 mm long, self-drilling screws. Once the brackets were aligned and fastened up the height of the base wall, Rockwool Rockfit Premium (433 Plus) insulation was installed onto the base wall by cutting slits into the insulation at each location where a mounting bracket was located so that the mounting bracket would be able to penetrate through the insulation and be press-fit up against the base wall. The entire base wall was covered by the insulation. The insulation was measured to have a density of approximately 4.4 lb/cu. ft. (70.4 kg/cu. meter). The 2mm thick aluminum vertical rails were fastened to the brackets with 8 mm x 19 mm long, stainless steel self-drilling screws. The vertical rails allowed for a 40 mm (approx. 1.5 in.) air cavity between the Colormat panel and the insulation. The center vertical rail consisted of a T profile and the remaining vertical rails were all L-profiles. Once all the vertical rails were installed, 5 mm x 18 mm aluminum rivets were used to fasten the Colormat panel to vertical rails through pre-drilled holes in the panels. The Colormat panels were 8mm thick and were cut to size on site so that there all joints, horizontal and vertical, between the panels was 8 mm wide including the center vertical joint in the wall assembly. The window detail consisted of finishing the interior of the window frame with 8 mm thick Colormat panels fastened by rivets. The window sill and the top-most section of the wall assembly was covered by a 2mm thick L-shaped aluminum flashing that overhung the face of the wall assembly by 20 mm (0.75 in.).	
TEST RESULT (SUCH AS PASSED CRITERIA___/ COMPLIED TO___/ DURATION___/OBSERVATION___/ETC)	**FLAME SPREAD RATINGS** Test Standard | Flame Spread | Smoke Development ASTM E84 | 25 or less | 450 or less **FIRE RATINGS** Test Standard | Rating ASTM D1929 | Flash Ignition - 527 °C	5

	<table><tr><td></td><td>Self Ignition - 525 °C</td></tr><tr><td>NFPA 285</td><td>Meets the requirements</td></tr></table> **FIRE REACTION CLASSIFICATION** The classification has been carried out in accordance with EN 13501-1:2007+A1:2009 <table><tr><td>Fire behavior</td><td></td><td>Smoke production</td><td></td><td></td><td>Flaming droplets</td><td></td></tr><tr><td>A2</td><td>-</td><td>s</td><td>1</td><td>,</td><td>d</td><td>0</td></tr></table>	
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN___/TO BE INSTALLED AT____/TO BE CONNECTED WITH____/TO BE INSTALLED WITH___ ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN___/NOT TO BE INSTALLED AT___/ NOT TO BE INSTALLED WITH___ETC.	Refer to Listing "SVK PURO PLUS, DECOBOARD, ORNIMAT, AND COLORMAT FIBER-CEMENT FAÇADE PANELS" under Scheerders van Kerchove's Verenigde Fabrieken NV dba SVK NV on the Intertek Directory of Building Products (https://bpdirectory.intertek.com/) for further details.	N/A

Laboratory and Certification body details

NAME OF CERTIFICATION BODY	Intertek Testing Services NA, Inc.	**NAME OF TEST FACILITY**	Intertek Testing Services NA Inc. EFECTIS FRANCE
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	545 EAST ALGONQUIN ROAD ARLINGTON HEIGHTS, ILLINOIS 60005, U.S.A.	**TEST FACILITY ADDRESS / REGION** (STREET / TOWN / CITY / COUNTRY)	8431 Murphy Dr. Middleton, WI 53562 U.S.A. 16015 Shady Falls Road Elmendorf, TX 78112 U.S.A. ZI Les Nappes 149 Route du Marc, 38630 Les Avenieres France
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ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	International Accreditation Service www.iasonline.org	**ACCREDITED BY** (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	International Accreditation Service www.iasonline.org Comité français d'accréditation https://www.cofrac.fr/
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO 17065	**AS PER** (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO 17025
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	From November 28, 2017 Expires Jan 1, 2022	**VALIDITY** (EXPIRY DATE OF LABORATORY ACCREDITATION)	From March 9, 2018 Expires Jan 1, 2022 From April 29, 2016 Expires Jan 1, 2022 From March 1, 2018 Expires February 28, 2023
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	PCA-101	**REFERENCE NUMBER:** (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	TL-271 TL-143 1-2470
CERTIFICATION MARK	ETL LISTED US Intertek		

SCHEERDERS VAN KERCHOVE'S
VERENIGDE FABRIEKEN
NAAMLOZE VENNOOTSCHAP
BESTUURDER-DIRECTEUR
W. VERHAERT

Arlington Heights, Illinois, USA
Reviewed and Approved
intertek

(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	WALTER VERHAERT	SIGNATURE	
EMAIL / TEL	Erind.Jushaje SVK.be	FACTORY OFFICIAL SEAL	SCHEERDERS VAN KERCHOVE'S VERENIGDE FABRIEKEN NAAMLOZE VENNOOTSCHAP
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Jean-Philippe Kayl	SIGNATURE	
EMAIL / TEL	jp.kayl@intertek.com +971 56 412 3551	CERTIFICATION BODY OFFICIAL SEAL	Arlington Heights, Illinois, USA Reviewed and Approved intertek
NOTES: I Undertake that all data and information provided are genuine and accurate			

ATTACHMENTS:

- **COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)**

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Certificate of Compliance

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You have been awarded:

Intertek ETL Mark for Building Materials with Surface Burning Characteristics

NFPA 285 (2012), BS EN 13501-1 (2009), ASTM D1929 (2016), ASTM E136 (2016) Ed.16a, ASTM E84-18a, CAN / ULC S114 (2018)

Certificate number: WHI19 – 31485201

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

Organization:

Scheerders van Kerchove's Verenigde Fabrieken NV dba SVK NV
Aerschotstraat 114
Sint-Niklaas 9100
Belgium

Product: SVK PURO PLUS, DECOBOARD, ORNIMAT, AND COLORMAT FIBERCEMENT FAÇADE PANELS
SPEC ID: 45323

For Maximum Sizes and Ratings See Appendix A (Page 2 -3)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: April 3, 2019
Date of expiry: April 3, 2024
Issue status: 1

Name	Signature	Date
Charles Meyers Certification Manager		4/3/19

Registered address:
Intertek Testing Services NA, Inc. 545 E. Algonquin Rd. Arlington Heights, IL 60005 USA

www.intertek.com

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Certificate of Compliance WHI19 – 31485201
Appendix A

SVK Puro Plus: The panels are natural grey and lightly sanded creating a discrete line-pattern. Sanding makes the panels directional with the direction noted by the direction of the production stamp on the back side and arrows on the protective foil on the front side.

SVK Decoboard: The front side is finished with a water based acrylic paint system with a uniform matt look and an enhanced UV resistance. A water-based color protection layer is applied on the backside of the panels. After cutting, the edges can be protected if desired. Color range includes Decoboard Classic and Decoboard Pure (consult the manufacturer's published literature for color range information).

SVK Ornimat: The front side is finished with a ground layer and 1 finish layer of a UV-resistant, two-component polyurethane painting system with a uniform matt look. On the backside, a water-based coating is provided. The edges are mechanically painted together with the panel surface. For panels with visible mechanical fixing, the apertures are pre-drilled.

SVK Colormat: The panels are color through-and-through and are slightly sanded. Depending upon the level of finishing (Colormat Classic-having a superficial line, and Colormat Scripto-having a clear line pattern, or Colormat Touch having a structured, velvety appearance), the sanding makes the panels directional with the direction noted by the direction of the production stamp on the back side of the panel (consult the manufacturer's published literature for color range information).

MATERIAL RATINGS

Test Standard	Test Type	Rating
ASTM E136	Noncombustibility	Noncombustible
CAN/ULC S114	Noncombustibility	Noncombustible
ASTM D1929	Determination of Ignition Temperature (Colormat Facade Panel)	FIT = 527°C SIT = 525°C
ASTM D1929	Determination of Ignition Temperature (Puro Plus Facade Panel)	FIT = 526°C SIT = 515°C

FLAME SPREAD RATINGS

Test Standard	Flame Spread	Smoke Developed
ASTM E84	0	0

FIRE RATINGS

Test Standard	Rating	Design Number
NFPA 285	Meets requirements	SVK/FWPA 30-01

FIRE REACTION CLASSIFICATION** FOR SVK COLORMAT

The classification has been carried out in accordance with BS EN 13501-1:2007+A1:2009

Fire Behavior		Smoke Production		Flaming droplets
A2	-	s1	,	d0

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Appendix A

Reaction to fire classification: A2-s1, d0
**This classification is valid for the following parameters:

1. With a thickness ≥ 8 mm
2. With a different surface texture (smooth or embossed)
3. With a density between 1650 kg/m^3 and 1950 kg/m^3
4. With various colors
5. Without finish or with hydrophobic finish of the same type with a Gross Heat of Combustion per unit area ≤ 1.69 MJ/m^2
6. With a joint opening width ≤ 8 mm
7. Mechanically fixed to a wood or metal substructure with all types of mechanical devices such as metal (excluding aluminum) nails, rivets, etc.
8. Fixed at different (wider or closer) horizontal or vertical fixing centers
9. Without thermal insulation in the cavity or with other types of class A2-s1, d0 according to EN 13501-1 insulation materials as long as a ventilated air gap of at least (40 ± 1) mm directly behind the sheets is present
10. With different dimensions of length and width
11. With wood particleboard, not fire retardant treated in the back side of the thermic insulation
12. Without substrate or on any wood or derivative wood-based panel with a density ≥ 510 kg/m^3 and a thickness ≥ 10 mm or on any A1 or A2-s1, d0 class substrate with a density ≥ 510 kg/m^3 and a thickness ≥ 6 mm

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