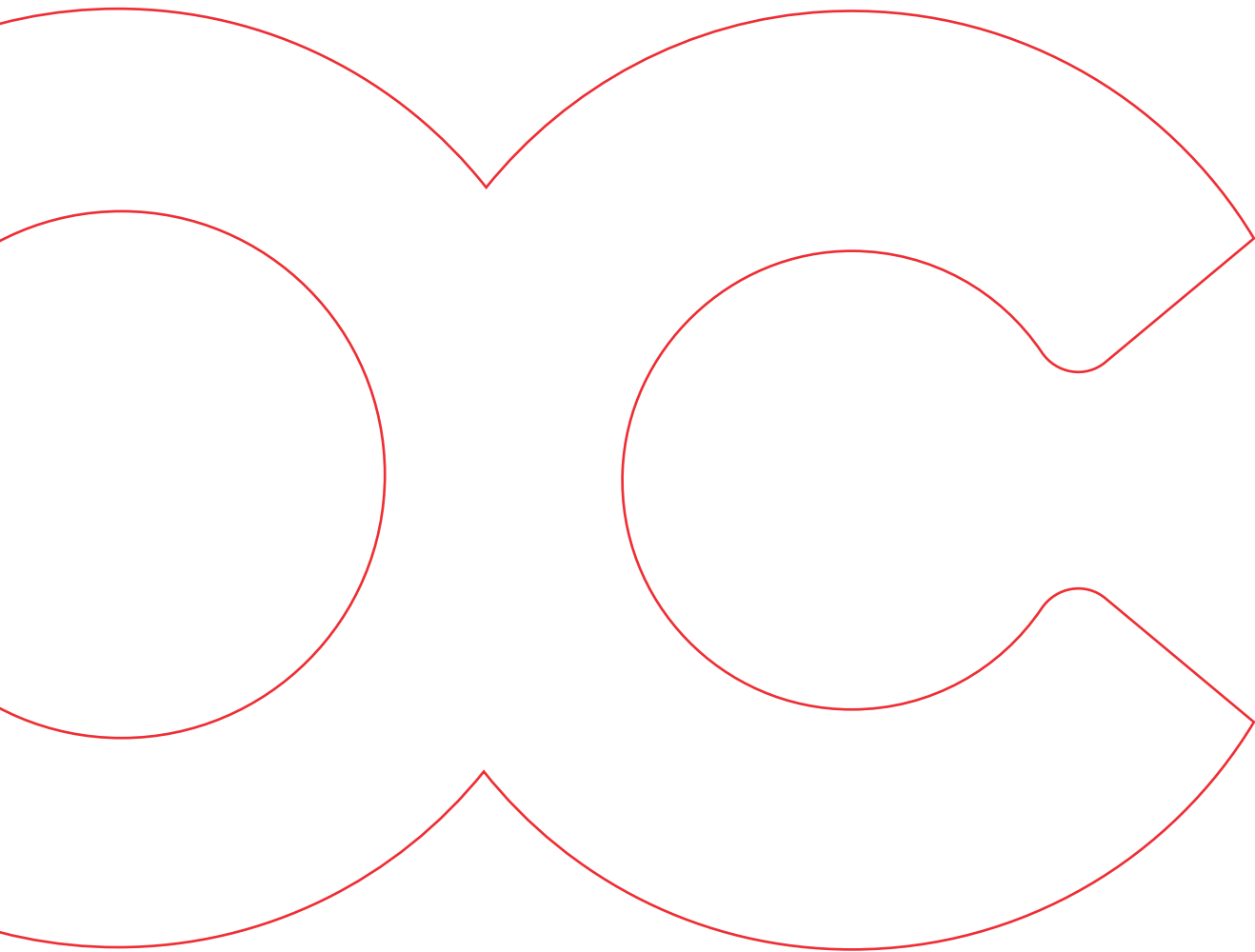


kerrock
by KOLPA



SLO. ENG.

CERTIFIKATI. CERTIFICATES.

Kerrock je skladen z najstrožjimi nacionalnimi in mednarodnimi predpisi za vgradnjo Kerrock izdelkov v različnih okoljih za notranjo in zunanjo uporabo. Skladen je tudi s strogimi okoljskimi predpisi.

Kerrock complies with the strictest national and international regulations for installing Kerrock products in different environments for indoor and outdoor use. It complies also with strict environmental regulations.



ISO 9001. ISO 9001.

Kolpa, d.o.o., proizvajalec Kerrock-a ima uveden sistema vodenja kakovosti v skladu s standardom EN ISO 9001. S tem izkazuje svojo sposobnost za dosledno zagotavljanje kakovosti izdelkov in storitev, ki izpolnjujejo zahteve kupcev in veljavne predpise.

Kolpa, d.o.o., the manufacturer of Kerrock products, has an established quality management system in accordance with the EN ISO 9001 standard. This demonstrates its ability to consistently ensure the quality of products and services that meet the requirements of the customers and the applicable regulations.



ISO 14001. ISO 1400.

Ta standard ponuja možnost sistematizacije okoljskih vidikov, ki izhajajo iz vsake izvedene aktivnosti podjetja. Poleg spodbujanja varstva okolja in preprečevanja onesnaževanja, spodbuja tudi socialno-ekonomsko uravnoteženost oziroma družbeno odgovornost. Kolpa, d.o.o., proizvajalec Kerrock, ima certificiran sistem ravnanja z okoljem.

The respective standard offers the possibility of systemising environmental aspects arising from each activity carried out by the company. In addition to promoting environmental protection and preventing pollution, it also encourages social and economic balance and social responsibility. Kolpa, d.o.o., the manufacturer of Kerrock, has a certified environmental management system.

ISO 19712. ISO 19712.

Kerrock izpolnjuje in presega vse zahteve definirane v standardu ISO 19712 za dekorativne trdne površinske materiale za delovne površine, obloge in oblikovane izdelke.

Del 2: Določitev lastnosti – kompozitne plošče

Del 3: Določitev lastnosti – oblikovani izdelki

Izvedena so zunanja testiranja na ZAG-u (Zavod za gradbeništvo Slovenije), Poročilo št. 884/18-460-1 za Kerrock, Poročilo št. 1103/17-460-1 za KerrockMF, Poročilo št. 1103/17-460-2 za KerrockES in interna testiranja v Kolpinem laboratoriju. Dodatno je bil na ZAGU-u narejen test pospešenega vremenskega staranja vseh barv v Kerrock katalogu; Poročilo št. 650/20-460-1.

Kerrock meets and goes beyond all the requirements laid down in the ISO 19712 standard which apply to decorative solid surface materials for work surfaces, claddings and designed products.

Part 2: Determining the properties – composite panels

Part 3: Determining the properties – designed products

Tests were performed at the Slovenian National Building and Civil Engineering Institute (ZAG), Report No. 884/18-460-1 for Kerrock, Report no. 1103/17-460-1 for KerrockMF, Report no. 1103/17-460-2 for KerrockES, as well as internal tests at the Kolpa d.o.o. laboratory. In addition, weathering test (Lightfastness-WOM) of all colors in the Kerrock catalog was performed at ZAG; Report no. 650/20-460-1.



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NACIONALNI
LABORATORIJ ZA
ZDRAVJE, OKOLJE
IN HRANO

NATIONAL
LABORATORY
OF HEALTH,
ENVIRONMENT
AND FOOD

STIK Z ŽIVILI. FOOD CONTACT.

Nacionalni laboratorij za zdravje, okolje in hrano (NLZOH), osrednji slovenski javno-zdravstveni laboratorij, ki se ukvarja s higiensko in zdravstveno ekološko dejavnostjo, potrjuje, da je Kerrock varen material za neposreden stik z vsemi vrstami hrane, ne da bi predstavljale tveganje za zdravje. Skladen je z Uredbo Komisije (ES) št. 10/2011 (s spremembami do leta 2024) in Uredbo evropskega parlamenta in Sveta (ES) št. 1935/2004.

The National Laboratory of Health, Environment and Food (NZLOH), the central Slovenian public health laboratory which is involved in hygienic and medical/ecological activity, confirmed that Kerrock is a safe material for any type of food contact without presenting a risk to health. It complies with the Commission Regulation (EC) No 10/2011 (as amended by 2024) and the Regulation of the European Parliament and of the Council (EC), No 1935/2004.



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FASADNE IN STENSKÉ OBLOGE. FAÇADE AND WALL CLADDINGS.

Slovenski glavni in od države določeni Organ za tehnična soglasja ZAG (Zavod za gradbeništvo Slovenije) je podelil Slovensko tehnično soglasje (Slovenian Technical Approval) STS-11/0024 za KERROCK PLOŠČA ZA FASADNE IN STENSKÉ OBLOGE. To tehnično soglasje dokazuje primernost in je ključno za uporabo Kerrock plošč/elementov za ventilacijske fasade.

The central Slovenian and state-appointed authority for technical approvals - ZAG (Slovenian National Building and Civil Engineering Institute) granted the Slovenian Technical Approval STS-11/0024 for KERROCK PANEL FOR FAÇADE AND WALL CLADDINGS. The respective technical approval proves the appropriateness and is essential for using Kerrock panels/elements for ventilated façades.



ODZIV NA OGENJ REACTION TO FIRE. REACTION TO FIRE.

Odziv na ogenj Kerrock materiala za gradbeni sektor je bila dokazana z analizo, ki zajema njegovo obnašanje v začetni fazi požara. Testi so bili izvedeni v skladu z zahtevami, ki izhajajo iz evropskega standarda EN 13501-1 (Euroclass System). Za Kerrock ploščo je bil določen razred odziva na ogenj B-s1,d0. Preskušanja so bila izvedena:

- na CSI (Certification and Behavioral Analysis Center - Italia) - Klasifikacijsko poročilo 0589\DC\REA\22_3
- na ZAG (Zavod za gradbeništvo Slovenije) - Klasifikacijsko poročilo št. P 0942/10-530-4

Preizkusi odziva Kerrocka na ogenj so bili izvedeni tudi v skladu z DIN 4102-1 standardom na HFM TUM (Technische Universität München). Kerrock je dobil oceno B1 za gradbeni material – poročilo o preizkusu B20252.

Kerrock material je bil preizkušen tudi na sproščanje dimnih plinov in njihove strupenosti (Testing of the smoke development and toxicity) v skladu z Resolucijo MSC: 61 (67), FTP koda, Priloga 1, Del 2. Exova Warringtonfire je izvedla to testiranje in Kerrock material izpolnjuje zahteve IMO FTPC, del 2 poglavje 2.6.1.1 Dim in poglavje 2.6.2 Strupenost pri sproščanju dimnih plinov in strupenosti (poročilo št. 2011-1241-1). To dokazuje primernost uporabe Kerrock materiala za pregrade, obloge ali strope.

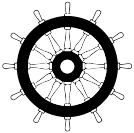
The reaction to fire of the Kerrock material in the construction sector was proven by an analysis addressing its behaviour in the initial fire phase. Tests were conducted in line with the requirements stipulated in the EN 13501-1 (Euroclass System) European standard. The B-s1,d0 reaction to fire class was determined for the Kerrock plate. Tests were performed:

- at the CSI (Certification and Behavioral Analysis Center - Italy) – Classification Report 0589\DC\REA\22_3
- at the ZAG (Slovenian National Building and Civil Engineering Institute) – Classification Report No.P 0942/10-530-4

Tests of Kerrock reaction to fire were also conducted in accordance with the DIN 4102-1 standard at HFM TUM (Technische Universität München). Kerrock received the B1 rating for construction material – Test Report No. B20252.

The Kerrock material was also tested for smoke development and toxicity in accordance with the Resolution MSC: 61 (67), FTP code, Attachment 1, Part 2. The company Exova Warringtonfire performed the respective tests and the Kerrock material meets the requirements of IMO FTPC, Part 2, Section 2.6.1.1 Smoke and Section 2.6.2 Toxicity in smoke development and toxicity (Report No. 2011-1241-1). This demonstrates the suitability of using Kerrock material for partitions, claddings or ceilings.



**MED – OPREMA LADIJ.
MED – EQUIPMENT OF SHIPS.**

Kerrock MF material je primeren za opremo na ladjah, saj izpolnjuje zahteve MED (Marine Equipment Directive).

Za MED direktivo sta standarde učinkovitosti in preizkuse postavila Mednarodna pomorska organizacija (IMO - International Maritime Organization) in evropski organi za standardizacijo.

LAPI, certifikacijska hiša iz Italije, je za Kerrock MF izvedla testiranje materiala za Modul B (Certifikat št. 0987/MED-B/879) in izvedla revizijo sistema nadzora kakovosti proizvodnje za Modul D (Certifikat št. 0987/MED-D/702 Rev.1).

Kerrock MF material is suitable for equipment of ships as it meets the requirements of MED (Marine Equipment Directive).

The International Maritime Organization (IMO) and European standardisation bodies set the performance standards and tests for the Marine Equipment Directive.

LAPI, a certification house from Italy, performed tests on the Kerrock MF material for B Module (Certificate No. 0987/MED-B/879) and carried out an audit of the production quality control system for D Module (Certificate No. 0987/MED-D/702 Rev.1).

**OPREMA VOZIL. EQUIPMENT OF VEHICLES.**

Kerrock material je primeren glede gorljivosti materialov za notranjo opremo določenih kategorij motornih vozil / avtobusov, saj je v skladu z Regulativo št. 118 (R118). Laboratorij LAPI iz Italije je izvedel testiranje Kerrock materiala (Testno poročilo št. 1386.6MT0030/19). DEKRA je pripravila Tehnično poročilo 19M3-01779-00 in v sodelovanju s certifikacijsko hišo NSAI izdala Type approval certifikat za Kerrock material.

The Kerrock material is suitable in terms of the burning behaviour of materials for interior fittings of certain categories of motor vehicles/buses since it complies with Regulation No. 118 (R118). The LAPI laboratory from Italy carried out the tests of the Kerrock material (Test Report No 1386.6MT0030/19). DEKRA drew up Technical Report No. 19M3-01779-00 and in cooperation with the NSAI certification body issued the Type Approval certificate for the Kerrock material.



EN 45545-2**OPREMA VLAKOV. EQUIPMENT OF TRAINS.**

Kerrock material je primeren glede odzivnosti na požarne lastnosti materialov in izdelkov, ki se uporabljajo na železniških vozilih in so opredeljene v EN 45545-2 (European Union Standard Fire Testing to Railway Components) standardu. Akreditiran laboratorij LAPI iz Italije nam je izvedel testiranje kerrock plošč. Na podlagi rezultatov testa je vzorec skladen z zahtevami po stopnji nevarnosti R2 (for Hazard Level requirement set R2) za Kerrock standardne plošče (Testno poročilo št. 1800.1IS0040/19) in po R1 za Kerrock MF plošče (Klasifikacijsko poročilo št: 1407.1IS0040/24).

The Kerrock material is suitable in terms of its response to fire behaviour properties of materials and products used in rail vehicles and defined in the EN 45545-2 (European Union Standard Fire Testing to Railway Components) standard. LAPI, an accredited laboratory from Italy, performed the tests of Kerrock panels. Based on the test results, the sample complies with the Hazard Level requirement set R2 for the standard Kerrock plates (Test Report No. 1800.1IS0040/19) and Hazard Level requirement R1 for Kerrock MF panels (Classification Report No.: 1407.1IS0040/24).

6

**ANTIBAKTERIJSKA UČINKOVITOST.
ANTIBACTERIAL PERFORMANCE.**

Kerrock onemogoča rast bakterij. Kerrock+ pa daje še odlično antibakterijsko aktivnost.

Testiranje in poročilo o oceni učinkovitosti protimikrobnih učinkovin, po ISO 22196:2011, v Kerrock materialu so naredili v laboratoriju ISEGA Forschung- und Untersuchungs- GmbH Aschaffenburg (Poročilo št.: 19234/1-1).

Kerrock prevents the growth of bacteria. In addition, Kerrock+ enables excellent antibacterial activity.

Tests for Antibacterial Efficacy, according to ISO 22196:2011, in the Kerrock material were performed at ISEGA Forschung- und Untersuchungs- GmbH Aschaffenburg laboratory (Report No.: 19234/1-1).

**EMISIJE HOS. VOC EMISSIONS.**

Švedski akreditiran laboratorij RI.SE je na Kerrock plošči naredil meritve emisij Hlapnih organskih snovi (HOS) po EN ISO 16000-9:2006 (Notranji zrak - Del 9), kancerogenih snovi (EU Regulativa Št.1272/2008 Anex VI, kat 1A in 1B) ter formaldehida in acetaldehida (ISO 16000-3:2001). Izmerjene vrednosti HOS so močno pod dovoljenimi vrednostmi in kancerogenih snovi niso detektirali; Poročilo: 2F000828. Rezultat testa je, da Kerrock ustreza zahtevam visoke klase M1 za registracijo po Byggarubedömningen Švedska. Postopek registracije je v teku.

Navezali smo tudi kontakte z UL za pridobitev Greenguard certifikata, ki pokriva podobno področje kot omenjeni Švedski.

RI.SE, a Swedish accredited laboratory, measured the emissions of volatile organic compounds (VOC) in accordance with EN ISO 16000-9:2006 (Indoor Air - Part 9), carcinogens (EU Regulation NO. 1272/2008, Annex VI, 1A and 1B Cat.) and formaldehyde and acetaldehyde (ISO 16000-3:2001) on a Kerrock panel. The measured VOC values were well below the threshold values and no carcinogens were detected; Report: 2F000828. The result of the test indicates that Kerrock complies with the requirements of M1 high grade for registration according to the Byggarubedömningen association, Sweden. The registration procedure is pending.

We have also made contact with the UL for obtaining a Greenhouse certificate that covers a similar area as the respective Swedish organisation.

**IZJAVA REACH. REACH DECLARATION.**

Izjava o skladnosti z Uredbo (ES) št. 1907/2006 Evropskega parlamenta in Sveta o registraciji, ocenjevanju, odobritvi in omejevanju kemikalij (REACH). Ta izjava potrjuje, da plošče, sklede, lepilo Kerrock, ki jih je izdelala in dobavila družba Kolpa, ne vsebuje snovi, ki bi bile opredeljene kot snovi, ki so zelo zaskrbnjujoče (SVHC), kot jih določa Uredba (ES) št. 1907/2006 Evropskega parlamenta in Sveta o registraciji, oceni, avtorizaciji in omejevanju kemikalij (REACH) v količinah nad 0,1% na maso.

Uporabljamo snovi in zmesi, ki so registrirane s strani naših dobaviteljev oziroma proizvajalcev. Kot nadaljni uporabnik redno komuniciramo s svojimi dobavitelji v zvezi z REACH.

Redno tudi spremljamo seznam skrb vzbujajočih snovi (SVHC), ki je na voljo na strani Evropske agencije za kemikalije (ECHA) na naslovu: <http://www.echa.europa.eu/sl/candidate-list-table>.

Declaration of conformity with Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

This letter confirms that Kerrock plates, bowls, glue, as supplied by company Kolpa does not contain any substances identified as Substances of Very High Concern (SVHC) as defined by Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in quantities over 0,1% in weight.

We use substances and mixtures that are registered by our suppliers or manufacturers. As a downstream user, we regularly communicate with our suppliers regarding REACH.

We also regularly monitor the list of substances of concern (SVHC) available on the website of the European Chemicals Agency (ECHA) at: <http://www.echa.europa.eu/en/candidate-list-table>.



LEED. LEED.

LEED. (Leadership in Energy & Environmental Design) je vodilni mednarodni sistem oziroma program za ocenjevanje/certificiranje načrtovanja (projektiranja) v gradbeništvu, ki hkrati promovira najboljše svetovne prakse pri gradnji stavb in pri uporabi gradbenih proizvodov. Profesionalcem pomaga pri izboljšanju kvalitete stavbnih izdelkov in zmanjšanju vpliva na okolje. Sektor zelene gradnje naglo narašča, zato lastniki in izvajalci vse bolj spoznavajo prednosti LEED certificiranja.

- Kerrock je material z dolgo življenjsko dobo, izdelki pa se lahko po končani uporabi objektov prestavijo in naprej uporabljajo
- Produkti narejeni iz Kerrock se lahko v celoti reciklirajo in pretvorijo v surovine, primerne za izdelavo novih izdelkov ali za potrebe ostale industrije. Večji kosi (deli fasadnih plošč, oblog, ...) se lahko z uporabo Kerrock lepila predelajo v druge izdelke, kot je npr. pohištvo.
- Kerrock vsebuje do 40 % recikliranih snovi.
- Kerrock se izdeluje iz materialov, ki prihajajo iz najbližjih lokalnih virov in s tem zmanjšuje vpliv na okolje.
- Kerrock lepilo, ki se uporablja za lepljenje izdelkov/produktov je pri končnem uporabniku popolnoma utrjeno in ne sprošča hlapnih organskih snovi (HOS).
- Kerrock izdelki so zelo primerni za uporabi v zaprtih prostorih, ker praktično ne sproščajo hlapnih organskih snovi (HOS). Dokaz je testiranje v neodvisnem laboratoriju RI.SE (Poročilo št. 2F000828, RI.SE).
- Kerrock je kompozitni material, ki ustreza REACH direktivi. Ne vsebuje snovi ki so navedene v SVHC (Substances of Very High Concern) seznamu.
- Nobena od sestavin, uporabljena za izdelavo Kerrock plošč ne vsebuje ftalatov, težkih kovin kromovih (VI) spojin ali ostalih kancerogenih snovi.
- Kerrock plošče so samougasljive, vendar pri zunanjem viru ognja ne sproščajo strupenih plinov (poročilo št. 2011-1241-1, EXOVA Warringtonfire)

LEED. (Leadership and Energy & Environmental Design) is a leading international system or programme for assessing/certifying plans (designs) in the field of construction which also promotes the best world practices in constructing buildings and using construction products. It helps experts to improve the quality of building products and to reduce environmental impacts. The green construction sector is growing rapidly and thus owners and contractors are becoming increasingly familiar with the advantages of LEED certification.

- Kerrock is a material with a long service life, while its products can be relocated and reused after the end of use of buildings.
- Products made of Kerrock are completely recyclable and can be converted to raw materials suitable for manufacturing new products or for other industrial uses.
- Large items (parts for façade panels, claddings, etc.) using Kerrock adhesives may be processed into other products, e.g. furniture.
- Kerrock is made up to 40% recycled substances.
- Kerrock is made of materials from the closest local sources and thus its impact on the environment is reduced.
- The Kerrock adhesive used for gluing products is completely cured at the end user and does not release any volatile organic compounds (VOC).
- Kerrock products are particularly well suited for indoor use since they release hardly any volatile organic compounds (VOC). This is proven by the test performed at the independent laboratory RI.SE (Report No. 2F000828, RI.SE).
- Kerrock is a composite material complying with the REACH Directive. It contains no substances stated in the Substances of Very High Concern list.
- None of the components used for producing Kerrock panels contains phthalates, heavy metals, chromium (VI) compounds or other carcinogens.
- Kerrock panels are self-extinguishing and do not release toxic gases in the case of external fire source (Report No. 2011-1241-1, EXOVA Warringtonfire)



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OKOLJSKA DEKLARACIJA PROIZVODA. ENVIRONMENTAL PRODUCT DECLARATION.

Zavod za gradbeništvo Slovenije (ZAG) je za Kerrock kompozitne plošče naredil Analizo življenjskega cikla izdelka (LCA analiza) in na podlagi LCA analize izdal Okoljsko deklaracijo proizvoda (EPD) v skladu z ISO 14025 in EN 15804:2012 + A2:2019.

V EPD-ju je izračunan vpliv Kerrocka na globalno segrevanje in drugi pomembni indikatorji okoljskih vplivov. Rezultati v EPD-ju kažejo ugodne okoljske vplive in so v skladu z zavezo Kolpe d.o.o. za zmanjševanje ogljičnega odtisa Kerrock-a.

Slovenian national building and civil engineering institute performed a Product Life Cycle Analysis (LCA analysis) for Kerrock composite panels and issued an Environmental Product Declaration (EPD) based on LCA analysis in accordance with ISO 14025 and EN 15804:2012 + A2:2019.

The EPD calculates the impact of Kerrock on global warming and other important environmental impact indicators. The results on the EPD show favourable environmental impacts and are in line with the commitment of Kolpa d.o.o. to reduce the carbon footprint of Kerrock.



VSEBNOST RECIKLATA. RECYCLED CONTENT.

UL iz ZDA nam je izdal certifikat POVZETEK VALIDACIJE OKOLJSKE TRDITVE, Poročilo Številka: 335294-4210, za Reciklirne Kerrock Plošče, s Trditvijo: Reciklirane Kerrock Plošče vsebujejo minimalno 8% vsebnost recyklata. Vsebnost recyklata je definirana v skladu z ISO 14021.

UL from USA issued ENVIRONMENTAL CLAIM VALIDATION SUMMARY, Report Number: 335294-4210, for Recycled Kerrock Sheets, with Claim: Recycled Kerrock Sheets contain a minimum of 8% Recycled Content. Recycled Content is defined in accordance with ISO 14021.

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by KOLPA



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