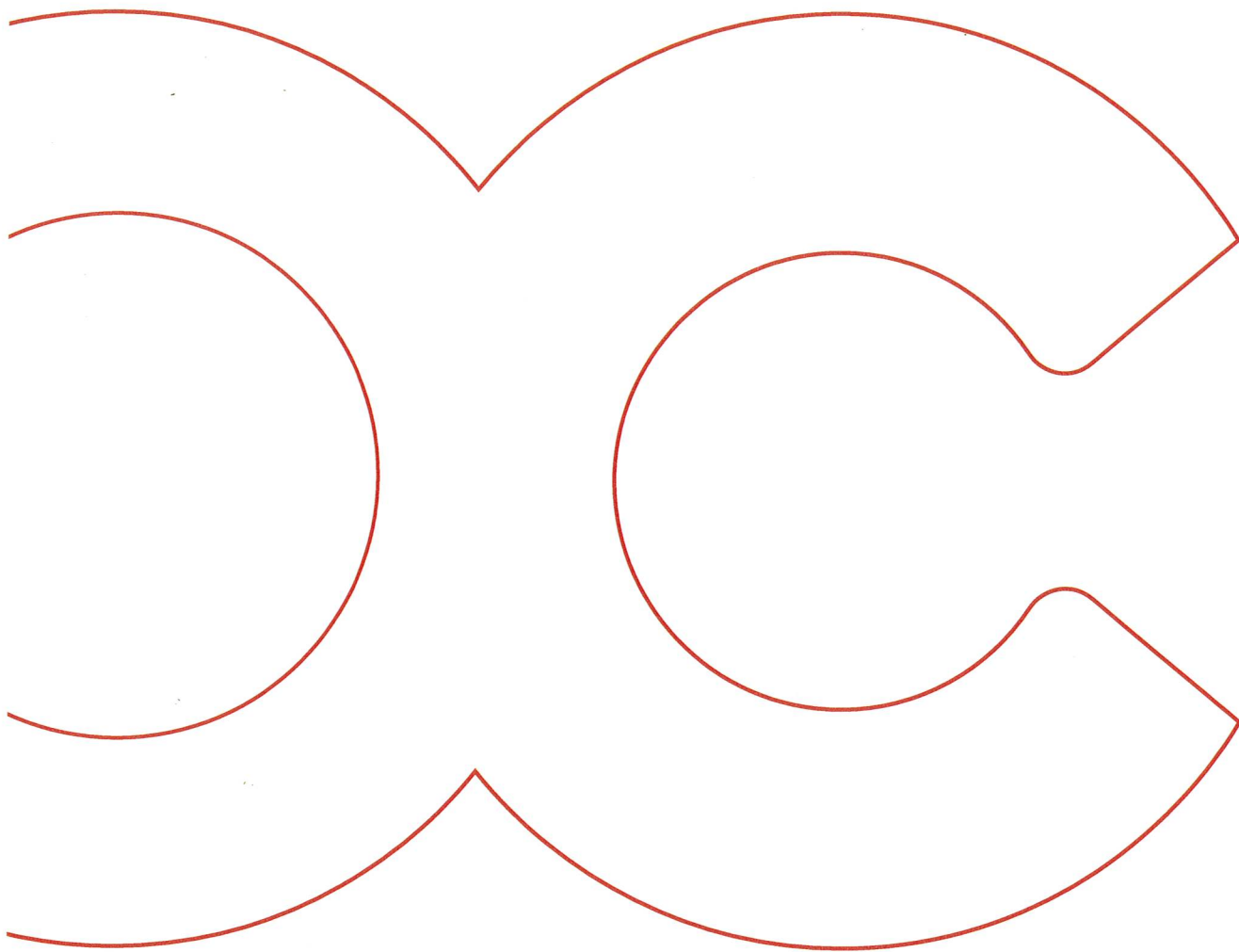


Certifikati / Certificates
KERROCK



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

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.

ISO 9001

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

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.

ISO 14001

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.



ZAVOD ZA
GRADBENIŠTVO
SLOVENIJE

SLOVENIAN
NATIONAL
BUILDING AND
CIVIL ENGINEERING
INSTITUTE

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 **Kerrock®MF**, Poročilo št. 1103/17-460-2 za **Kerrock®ES** 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.

ISO 19712

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 **Kerrock®MF**, Report no. 1103/17-460-2 for **Kerrock®ES**, 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.



NACIONALNI
LABORATORIJ ZA
ZDRAVJE, OKOLJE
IN HRANO

NATIONAL
LABORATORY
OF HEALTH,
ENVIRONMENT
AND FOOD

STIK Z ŽIVILI

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 2018) in Uredbo evropskega parlamenta in Sveta (ES) št. 1935/2004.

FOOD CONTACT

The National Laboratory of Health, Environment and Food (NLZOH), 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 2018) and the Regulation of the European Parliament and of the Council (EC), No 1935/2004.



ZAVOD ZA
GRADBENIŠTVO
SLOVENIJE

SLOVENIAN
NATIONAL
BUILDING AND
CIVIL ENGINEERING
INSTITUTE

FASADNE IN STENSKE OBLOGE

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 STENSKE OBLOGE. To tehnično soglasje dokazuje primernost in je ključno za uporabo **Kerrock®** plošč/elementov za ventilacijske fasade.

FAÇADE AND WALL CLADDINGS

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

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.



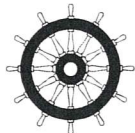
REACTION TO FIRE

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

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).



MED – EQUIPMENT OF SHIPS

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).

**NSAI**

OPREMA VOZIL

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.



EQUIPMENT OF VEHICLES

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**

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.IISO040/19) in po R1 za **Kerrock®** MF plošče (Testno poročilo št. 352.IISO040/20).

EQUIPMENT OF TRAINS

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.IISO040/19) and Hazard Level requirement R1 for **Kerrock®** MF panels (Test Report No.: 352.IISO040/20).

**ANTIBAKTERIJSKA UČINKOVITOST**

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).

ANTIBACTERIAL PERFORMANCE

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).

Research Institutes
of Sweden

EMISIJE HOS

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 Bygghvarubedömningen Švedska. Postopek registracije je v teku.

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

VOC EMISSIONS

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 Bygghvarubedömningen 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

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 zaskrbljujoče (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>.

REACH DECLARATION

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, (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

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)



ZAVOD ZA
GRADBENIŠTVO
SLOVENIJE

SLOVENIAN
NATIONAL
BUILDING AND
CIVIL ENGINEERING
INSTITUTE

OKOLJSKA DEKLARACIJA PROIZVODA

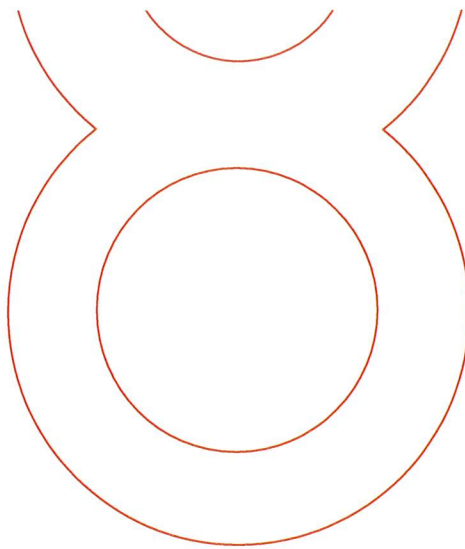
Zavod za gradbeništvo Slovenije (ZAG) je za **Kerrock®** kompozitne plošče naredil Analizo življenjskega cikla izdelka (LCA analiza) in na podlagi LCA analize izdal Okoljsko deklaracijo proizvoda (EPD) v skladu z ISO 14025 in EN 15804:2012 + A2:2019.

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**.

ENVIRONMENTAL PRODUCT DECLARATION

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®**.



kolpa
Est. 1978

KOLPA, d.o.o. Metlika
Rosalnice 5
8330 Metlika, Slovenija
Tel: + 386 7 36 92 100
www.kolpa.si



www.kerrock.eu

kerrock®
by KOLPA