

Development

Metlika, 18.03. 2020

Doc. No: TRKP-2/2020

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TEST REPORT of the Kerrock 108 plate according to EN ISO 19712-2:2014

1. Surface defects

Test report

Reference to part of ISO 19712 (5.1 to 5.4)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.:730 - 41

Result: The finished surface of sheets is free from cracks, chipped areas, pinholes and blisters.

There are 2 black spots and 1 gray spot with a diameter of 0,1 mm on the surface.

The date of the test: 6.3.2020

2. Consistency of colour

Test report

Reference to part of ISO 19712 (6.1 to 6.5)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Result: No change base colour along the seam ($\Delta E = 0,2$)

The date of the test: 6.3.2020

3. Load test

Test report

Reference to part of ISO 19712 (7.1 to 7.5)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Result: No change on the kerrock surface

No residual deflection

The date of the test: 10.03.2020

4. Resistance to impact by large –diameter ball

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Test report

Reference to part of ISO 19712 (8.1 to 8.5)

The name and type of product: KERROCK 108, 3600x760x12 mm

Batch N.: 730 - 41

We are throwing the ball five times from a height of 220cm.

Result: Carbon paper was impressed from 4,2mm to 5,1mm.

No deviations from the methods (we have equivalent apparatus which produce the same results).

The date of the test: 10.03.2020

5. Lightfastness

Test report: Method A

Reference to part of ISO 19712 , Method A, (9.1 to 9.1.6)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

We used Atlas SUN TEST CPS+ Apparat. Irradiance at the test specimen surface was 60W/m², black-standard temperature was 65°C. The relative humidity was not 50%, it was lower, we have not measured it.

The exposure time was 100 hours, the contrast between the exposed and unexposed portion of blue wool reference 6 is grade 3/4 on the grey scale.

Result: The lightfastness of the specimen is 4/5 on the grey scale.

The date of the test: Starts test 13.03.2020

6. Stain/chemical –resistance test

Test report :Method A

Reference to part of ISO 19712 (10.1 to 10.1.7)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch .N.: 730 - 41

Result: Group 2 ; Coffee (120g of coffee per litre of water): rating 5(see 10.1.6)

Group 3; Sodium hydroxide (25% solution): rating 4(see 10.1.6)

Hydrogen peroxide (30% solution): rating 5(see 10.1.6)

Acetone: rating 4(see 10.1.6)

Shoe polish: rating 5(see 10.1.6)

Group 4; Citric acid (10% solution): rating 5(see 10.1.6)

Group agents 1 and 2 ≥ rating 5

Group agents 3 and 4 ≥ rating 4

The date of the test: 12.03.2020

7. Stain/chemical –resistance test

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Test report :Method B

Reference to part of ISO 19712 (10.2 to 10.2.7)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Agent	Cleanability	Stain resistance
1. Distilled water	0	5
2. Ethyl alcohol	0	5
3. Household ammonia	5	3
4. 10% citric acid	0	5
5. Vegetable oil	0	5
6. Fresh coffee	0	5
7. Fresh tea	1	5
8. Tomato ketchup	0	5
9. Yellow mustard	1	5
10. Tincture of iodine	3	5
11. Acetone	2	5
12. Black permanent marker	2	5
13. HB pencil	0	5
14. Wax crayon	0	5
15. Black paste shoe polish	2	5

Result:

Staining agents 1 to 10 \geq rating 3

Staining agents 11 to 15 \geq rating 3

Cleanability index Σ ratings = 16

The date of the test: Start test 12.3.2020

8. Resistance to cigarette burns

Test report: Method A

Reference to part of ISO 19712 (11.1 to 11.1.6)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

We used Marlboro 100s, BOSS 100s and Ronhill 100s.

Result: Marlboro 100s -rating 4(see 11.1.5)

BOSS 100s- rating 4(see 11.1.5)

Ronhill 100s- rating 4(see 11.1.5)

Arithmetic mean =rating 4(see 11.1.5)

The date of the test: 16.03.2020

9. Resistance to dry heat

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Test report: Method A

Reference to part of ISO 19712 (12.1 to 12.1.7)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Result: rating 4 (see 12.1.6)

The date of the test: 16.3.2020

10. Resistance to wet heat

Test report: Method A

Reference to part of ISO 19712 (13.1 to 13.1.7)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Result: rating 5 (see 13.1.6)

The date of the test: 16.3.2020

11. Hot/cold cycle water – resistance test

Test report: Method A

Reference to part of ISO 19712 (14.1 to 14.3)

The name and type of product: Kerrock 108, 3600x760x12 mm

Batch N.: 730 - 41

Cycles 250 and Temperature range $20\pm 0,2^{\circ}\text{C}$ cold and $90\pm 0,8^{\circ}\text{C}$ hot water.

Result: rating 5 (no visible change, no cracking, no crazing, no blistering)

The date of the test: Start test: 11.03.2020

12. Hardness

Barcol hardness = 62-63 ,standard ASTM D 2583.

13. Ability to be renewed

In case a Kerrock product is scratched or razed, it can be renewed by grinding with a manual grinding machine. Grinding must be progressive with a sandpaper of coarse, medium or fine granulation. A course sandpaper should be used first to remove scratches, later sandpapers of gradually finer granulations (P120, P180, P240, P320, P400, P600) are used. Such procedure is carried out in the area of surface damages, then we grind in the width until the initial appearance of the whole surface is achieved.

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