Jigsaw
RUBBER MATTING

PRODUCT TEST DOCUMENTATION

# COBAGRIP EN ISO11925 2 2020 Reaction to Fire k33hye

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The original manufacturer or independent laboratory report follows in full. Its issuer, applicant, test results and original references have been retained. Jigsaw Rubber Matting is the retailer, not the testing body.

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# TECHNICAL REPORT

| | | | |
|---|---|---|---|
| COBA Europe Ltd<br>Europark Industrial Estate<br>A5 Watling Street<br>Rugby<br>Leicestershire<br>CV23 0AL<br>United Kingdom | SATRA reference: | FLO2006125 | |
| | | 2428 | 1 |
| | Report ID/Issue number: | 42941/1 | |
| | Your reference: | 50949 | |
| | Date samples received: | 03/07/2024 | |
| | Date(s) work carried out: | 03/07/2024 to 08/08/2024 | |
| | Date of report: | 15/08/2024 | |

## Testing Requirements

Testing of one product described by the customer as "GRP Grating 25mm"
to EN 11925-2:2020.

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**Report Signed by:**

Philip Weal

**Report Signatory**

ilac-MRA UKAS TESTING 0248

## TESTING OF ONE PRODUCT, DESCRIBED BY THE CUSTOMER AS 'GRP GRATING 25MM' TO EN ISO 11925-2:2020 (L/NCS)

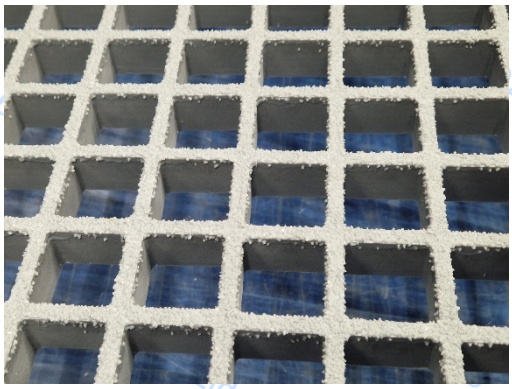
As requested by Coba Europe Ltd, SATRA have assessed the floor covering submitted to determine its ignitability when subjected to direct flame impingement using a single flame source at the surface of the sample for 15 seconds, as detailed below.

## CONCLUSION

With regard to the properties assessed, the sample submitted under the reference 'GRP Grating 25mm' has demonstrated no ignition of the floor covering, the flame did not reach the critical distance of 150mm, and there was no ignition of the filter paper, which would be caused by flaming droplets. The sample was tested non-directional.

## SAMPLE SUBMITTED

Sample reference: 'GRP Grating 25mm' (1)
Appearance:



Date received: 03 July 2024 (2)
Date conditioning commenced: 03 July 2024 (3)
Testing conducted: 08 August 2024
Testing conducted by: Reece Johnson

## TESTS CARRIED OUT

- EN ISO 11925-2:2020. Reaction to fire tests – Ignitability of products subject to direct impingement of flame. Part 2 – Single-flame source test. (L/NCS)(2)

*Notes:*

*(1) Information supplied by the customer. Not verified by SATRA.*
*(2) The specimens were provided to SATRA by the customer. SATRA were not involved in the selection or sampling procedure.*
*(3) Prior to testing, the specimens were conditioned at (23 ± 2) °C, (50 ± 5) % RH, until constant mass was achieved, or for a fixed period of time as defined in EN 13238:2010.*

## FULL DESCRIPTION OF TEST SPECIMENS (1)

The description of the specimen given below has been prepared from information provided by the sponsor of the test. All values quoted are nominal, unless tolerances are given.

| | | | |
|---|---|---|---|
| General description of flooring system | | | GRP Slip Resistant Grating |
| Product reference of flooring system | | | COBAGRIP Grating |
| Colour reference | | | **Yellow, Green or Grey** |
| Name of Manufacturer | | | COBA Europe Ltd. |
| Overall weight per unit area | | | 25mm = 13kg/m2 |
| Overall Thickness | | | 25mm |
| Product Configuration | | | |
| Floor covering | GRP coating | Product Reference | Quartz-Grit |
| | | Generic Type | Note 1 |
| | | Name of Manufacturer | Suzhou Haixing Plastic Chemical Co.,Ltd |
| | | % Composition | **4.5** |
| | | Application Rate | Top Surface 100% |
| | | Application method | Applied by hand |
| | | Weight per unit area | 1KG/SQM |
| | | Thickness | 1mm |
| | | Trade name of flame retardant | HR-15 |
| | | Generic form of flame retardant | Liquid |
| | | Amount of flame retardant | 0.7% |
| | Core material | Product Reference | Polyester Resin |
| | | Generic Type | Liquid |
| | | Name of Manufacturer | Shanghai New Tianhe Resin CO.LTD |
| | | % Composition | **95.5** |
| | | Application Rate | Note 1 |
| | | Application method | Note 1 |
| | | Weight per unit area | 25mm – 12kg/m2 |
| | | Thickness | 25mm |
| | | Trade name of flame retardant | Suzhou Haixing Plastic Chemical Co.,Ltd |
| | | Generic form of flame retardant | Liquid |
| | | Amount of flame retardant | 0.7% |
| Brief Description of the manufacturing process | | | Note 1 |

**LABORATORY SUPPLIED SUBSTRATE;**

| | | |
|---|---|---|
| Adhesive | Product Reference | N/A |
| | Generic Type | N/A |
| | Name of Manufacturer | N/A |
| | Density (20ºC) | N/A |
| | Colour | N/A |
| Substrate | Product reference | 'Cembrit HD' |
| | Generic type | Fibre cement board |
| | Name of supplier | Clarkes of Walsham Ltd |
| | Thickness | (8 ± 2) mm |
| | Density | (1800 ± 200) kg/m³ |

Note 1: The sponsor of the test has failed to provide the information
Note 2: The sponsor has provided the required information but at the request of the sponsor it has been omitted from the final report.
Note 3: The sponsor was unwilling to provide the required information.

## RESULTS

| Sample reference | Test method | Property | Results |
|---|---|---|---|
| 'GRP Grating 25mm' | EN ISO 11925-2: 2020 | Ignition of floor covering surface | NO |
| | | Flame spread to 150mm and minimum time taken. | NO |
| | | Flaming droplets causing ignition of filter paper | NO |
| | | Observations | Charring etc. |

*The test results relate only to the behaviour of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.*

*The test results relate only to the specimens of the product in the form in which they were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product which is supplied or used is fully represented by the specimens which were tested. Test results using a standard substrate complying with EN 13238 Clause 5.2.2 or Clause 5.2.3 are applicable if the density of the end use substrate is at least 75% of the nominal density of the standard substrate.*

*The specification and interpretation of fire test methods are the subject of ongoing development and refinement. Changes in associated legislation may also occur. For these reasons it is recommended that the relevance of test reports over five years old should be considered by the user. The laboratory that issued the report will be able to offer, on behalf of the legal owner, a review of the procedures adopted for a particular test to ensure that they are consistent with current practices, and if required may endorse the test report.*

## TEST DETAILS

| | |
|---|---|
| **Purpose of test** | To determine the performance of specimens of a product when they are subjected to the conditions of the test procedure defined in the document EN ISO 11925-2.<br><br>The test was performed in accordance with the procedure specified in EN ISO 11925-2:2020 and this report should be read in conjunction with that standard. |
| **Scope of test** | EN ISO 11925-2 specifies a method of test for determining the ignitability of building products by direct small flame impingement under zero impressed irradiance using specimens tested in a vertical orientation. |
| **Number of specimens tested** | In accordance with EN ISO 11925-2, three specimens in each direction were tested. Where applicable the results relate to the worst performing specimen. |
| **Exposure conditions** | As required for the testing of floorcoverings in accordance with EN 13501-1 Fire classification of construction products and building elements – Part 1: Classification using data from reaction to fire tests, the samples were subjected to a flame exposure time of 15 seconds, using the surface exposure conditions defined in EN ISO 11925. |
| **Adhesive** | The specimen was tested loose-laid (L) to the substrate. |
| **Substrate** | Non-combustible substrate (NCS) - End use substrates of classes A1 and A2-s1,d0, are represented by fibre cement board (in accordance with ISO 390) |

**TABLE 1 – FULL TEST RESULTS - INDIVIDUAL SPECIMEN RESULTS FOR SPECIMEN REFERENCED 'GRP GRATING 25MM'**

**Test flame application position – Surface of sample referenced as 'GRP Grating 25mm' – Non-directional.**

| Specimen No. | Ignition YES/NO | Time from start of test for flame to reach 150mm (seconds) | Extent of flame spread (mm) | Flaming debris | Glowing | Extent of Damaged Area (mm) | |
|---|---|---|---|---|---|---|---|
| | | | | | | Height | Width |
| 1 | No | N/A | 25 | No | No | 25 | 13 |
| 2 | No | N/A | 30 | No | No | 30 | 14 |
| 3 | No | N/A | 30 | No | No | 30 | 14 |

**OBSERVATIONS**

Specimen did not ignite.

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Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor k=2, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

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