Adelaide XRD Laboratory - 3/224 Glen Osmond Road, Fullarton, SA 5063
Agon Environmental Pty Ltd ABN 29 167 746 063
admin@agonenviro.com.au (08) 8166 2410
www.agonenviro.com.au

Crystalline Silica and Mineralogy Report:

APPLICANT:	Hunan Jingye New Material Technology Co., Ltd	**AGON JOB NO:**	JH25.0003 - 264
CONSIGNEE:	Claudia Chapman	**CONSIGNEE CONTACT:**	sales@magfinishes.com.au
TRADEMARK:	Xiang Jing Ye FLEXI STONE	**RECEIVED IN LAB:**	26 August 2026
DESCRIPTION:	Modified inorganic powder composite building decoration material		

PROCEDURE:

A representative powder, obtained by ashing the sample at 500°C, was analysed by X-ray diffraction to determine the minerals present. XRD identifies minerals via their crystal structure.

Quartz and cristobalite are both crystalline silica minerals. They are separately identified by XRD because they have different crystal structures

SUMMARY OF RESULTS:

The sample is a flexible layer. The crystalline silica content is less than 1%

RESULTS:

Client Sample ID	Crystalline Silica (Quartz) content (estimated wt%)	Crystalline Silica (Cristobalite) content (estimated wt%)
Xiang Jing Ye FLEXI STONE	Not detected	Not detected

The estimated quartz detection limit is 0.1% and the estimated cristobalite detection limit is also 0.1%

The mineralogy (estimated wt.%) of the 3mm thick, white flexible layer with embedded glass fibre mesh follows.

Mineral name	Composition	Chemical Formula	Xiang Jing Ye FLEXI STONE
Dolomite	Calcium magnesium carbonate	$CaMg(CO_3)_2$	85%
Calcite	Calcium carbonate	$CaCO_3$	7%
Amorphous	Probably resin binder – weight loss at 500°C	Unknown	5%
Amorphous	Glass fibre mesh	Unknown	3%

Michael Till
Testing Officer
Senior Mineralogist

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