



**ALSEAL MARKETING SDN. BHD.** Co.No.: 200301022720 (625140-D)

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Website: www.alsealmarketing.com

Our reference: 15/F20/LTR/Y404

15<sup>th</sup> June 2020

Dear Valued Customer / Business Partners,

**RE: “ALSEAL” AS-1120 Ultra Flex Gaps Sealer - Low-VOC Compliant**

This is to confirm that the volatile organic compound (VOC) content for **“ALSEAL” AS-1120 Ultra Flex Gaps Sealer** has been tested by an independent third party testing lab. The VOC content determination was conducted as per the requirement of South Coast Air Quality Management District (SCAQMD) rule 1168.

SCAQMD rule 1168 states that USEPA Method 24 (Determination of Volatile Matter Content, Water Content, Density Volume Solids, and Weight Solids of Surface Coating) shall be used to determine the VOC content of adhesives and sealants. This reference method is **widely accepted worldwide** for the VOC content determination.

VOC Determination Method	Maximum limit	Results	Report no.
USEPA Method 24 and SCAQMD Method 304-91	50 g/L (All other architectural sealants)	25.90 g/L	CCN20050107H03-1

**Conclusion**

Based on the results shown above, AS-1120 is able to meet the **low-VOC contact adhesive** requirement.

With the low VOC feature, the use of AS-1120 could contribute to **Leadership in Energy and Environmental Design (LEED)** credits under the **IEQc4.1: Low-Emitting Materials - Adhesives and Sealants** credit category. For Malaysian market, AS-1120 could contribute to the **Green Building Index (GBI)** credits.

Should you require further information concerning the above product, please do not hesitate to contact us.

Thank you.

Yours sincerely,

For Alseal Marketing Sdn. Bhd.

Prepared by: Yap Wai Hoong  
(R&D Chemist)

Verified by: Alex Ng  
(General Manager (Technical))

**CERTIFICATE OF ANALYSIS**ALSEAL MARKETING SDN. BHD.  
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Attn :

Certificate No : CCN20050107H03-1  
Sample Received Date : 20-May-2020  
Complete Analysis Date : 12-Jun-2020  
Date Issued : 15-Jun-2020

Sample Description : AS-1120 Ultra Flex Gaps Sealer

Analysis Results :

PARAMETER	ANALYSIS RESULTS	UNIT	STANDARD METHOD / TECHNIQUE / EQUIPMENT USED
Volatile Organic Compound	25.90	g/L	USEPA Test method 24 and SCAQMD Method 304-91
Moisture	18.30	%w/w	Karl Fischer Titration

**ND** denotes not detected (< **Numeric number**) denotes detection limits**Remark :** Amendmend for Certificate No. CCN20050107H03-0 (Customer Contact and Sample Description modified at the request of customer).Cheng Pui Wah  
Senior Chemist  
B.Sc.(Hons),  
L/1828/6037/11