

检测报告 报告编号: AJFS2307005914FF\_CN 日期: 2023年7月21日 第1页共6页

安徽龙格新材料科技有限公司

安徽省池州市经济开发区临港工业园滨江路16号

此报告是报告号为 AJFS2307005914FF 的中文译本, 如中英文有差异, 概以英文为准。

样品名称: 木塑墙板

SGS 参考号: NBIN2307001625PL01

生产商: 安徽科居新材料科技有限公司

型号/货号: /

以上测试样品数据和信息为客户提供并确认, SGS 不对这些数据和信息的真实性、完整性以及由此引发的结果和/或结论的有效性负责。检测结果适用于收到的样品。

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**测试要求:**

EN 13501-1:2018 建筑制品和构件的燃烧分级 第1部分: 用对火反应试验数据分级。

测试结果: -- 参见数据附表 --

**测试周期:**

样品收到日期 : 2023年7月06日

测试执行时间 : 2023年7月06日至2023年7月19日

通标标准技术服务有限公司安吉分公司

授权代表签署

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I. 测试方法

试验根据EN 13501-1:2018 建筑制品和构件的燃烧分级 第1部分: 用对火反应试验数据分级进行, 测试方法如下:

1. EN 13823:2020+A1:2022 建筑制品对火反应 除铺地材料外的建筑制品单体燃烧试验。
2. EN ISO 11925-2:2020 对火反应试验 产品在直接火焰冲击下的可燃性 第 2 部分:单个火源试验。

II. 样品描述

a) 样品一般描述及最终应用

样品“木塑墙板(客户提供)”被定义为装饰材料, 其最终应用于室内墙面, 装饰用途。

b) 描述

描述	木塑墙板(客户提供)
颜色	白色
样品尺寸	EN 13823:1500mm×1000mm &1500mm×495mm EN ISO 11925-2: 250mm×90mm
厚度	8.9mm
面密度	5.3 kg/m <sup>2</sup>
测试面	白色面

试样安装与固定:

采用密度约为1800kg/m<sup>3</sup>, 厚度约为9mm的纤维水泥板作为背板。样品机械固定于基材上。样品长翼上有接缝。

III. 测试结果

测试方法	参数	测试次数	结果
EN 13823	FIGRA <sub>0.2MJ</sub> (W/s)	3	206.7
	FIGRA <sub>0.4MJ</sub> (W/s)		206.7
	火焰横向蔓延(LFS)是否到达试样长翼边缘(是/否)		否
	THR <sub>600s</sub> (MJ)		8.0
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		85.6
	TSP <sub>600s</sub> (m <sup>2</sup> )		213.1
EN ISO 11925-2 施火时间 = 30 s	燃烧滴落物及碎片(是/否)	12	否
	焰尖高度(Fs) 60s内是否超过150 mm(是/否)		否
	是否点燃滤纸(是/否)		否



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IV. 分级和应用领域

a) 分级依据

依据 EN 13501-1:2018 进行分级。

b) 分级

所提供样品, 木塑墙板(客户提供), 根据其燃烧性能分级如下:

防火等级		烟气等级			滴落等级	
C	—	s	3	,	d	0

**燃烧性能等级: C—s3, d0**

备注: 级别对应燃烧性能要求在附录A给出。

c) 应用领域

本测试分级对于在下述最终应用条件下有效:

- 基材防火等级达到A1或A2
- 机械固定
- 有接缝

本测试分级对于制品的下述参数有效

- 样品材料特性符合报告中第II b)部分的描述。

备注:

此符合性声明仅基于本次实验室活动的实际值, 未将本次实验室活动的结果不确定度影响计入。  
 在特定的试验条件下, 试验结果与试样的性能有关; 试验结果不能作为评估制品在实际使用条件下潜在火灾危险性的唯一依据。

声明:

本测试报告不能作为制品的型式检验和认证。  
 实验室未曾参与产品的取样, 所测样品为厂家选送, 但是为了相关送测样品可以被追溯, 实验室对厂家制样提供了相关的指导。



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附录 A

建筑材料及制品（铺地材料和管状隔热材料除外）燃烧性能分级

等级	试验标准	分级判据	附加分级
A1	EN ISO 1182 <sup>a</sup> 且	$\Delta T \leq 30^{\circ}\text{C}$ , 且 $\Delta m \leq 50\%$ , 且 $t_f = 0$ (无持续燃烧)	-
	EN ISO 1716	$PCS \leq 2.0\text{MJ/kg}$ <sup>a</sup> 且 $PCS \leq 2.0\text{MJ/kg}$ <sup>b,c</sup> 且 $PCS \leq 1.4\text{MJ/m}^2$ <sup>d</sup> 且 $PCS \leq 2.0\text{MJ/kg}$ <sup>e</sup>	-
A2	EN ISO 1182 <sup>a</sup> 或	且 $\Delta T \leq 50^{\circ}\text{C}$ , 且 $\Delta m \leq 50\%$ , 且 $t_f \leq 20\text{ s}$	-
	EN ISO 1716		-
	EN 13823	且 $FIGRA \leq 120\text{W/s}$ 且 $LFS < \text{试样边缘}$ 且 $THR_{600s} \leq 7.5\text{MJ}$	产烟量 <sup>f</sup> 且 燃烧滴落物/微粒 <sup>g</sup>
B	EN 13823	且 $FIGRA \leq 120\text{W/s}$ 且 $LFS < \text{试样边缘}$ 且 $THR_{600s} \leq 7.5\text{MJ}$	产烟量 <sup>f</sup> 且 燃烧滴落物/微粒 <sup>g</sup>
	EN ISO 11925-2 <sup>i</sup> 点火时间=30s	60s 内 $F_s \leq 150\text{mm}$	
C	EN 13823	且 $FIGRA \leq 250\text{W/s}$ 且 $LFS < \text{试样边缘}$ 且 $THR_{600s} \leq 15\text{MJ}$	产烟量 <sup>f</sup> 且 燃烧滴落物/微粒 <sup>g</sup>
	EN ISO 11925-2 <sup>i</sup> 点火时间=30s	60s 内 $F_s \leq 150\text{mm}$	
D	EN 13823	且 $FIGRA \leq 750\text{W/s}$	产烟量 <sup>f</sup> 且 燃烧滴落物/微粒 <sup>g</sup>
	EN ISO 11925-2 <sup>i</sup> 点火时间=30s	60s 内 $F_s \leq 150\text{mm}$	
E	EN ISO 11925-2 <sup>i</sup> 点火时间=15s	20s 内 $F_s \leq 150\text{mm}$	燃烧滴落物/微粒 <sup>h</sup>
F	EN ISO 11925-2 <sup>i</sup> 点火时间=15s	20 s 内 $F_s > 150\text{mm}$	



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- a: 匀质制品和非匀质制品的主要组份;
- b: 非匀质制品的外部次要组份;
- c: 另一个可选择的判据是: 对  $PCS \leq 2.0 \text{MJ/m}^2$  的外部次要组份, 则要求满足  $FIGRA \leq 20 \text{W/s}$ 、 $LFS <$  试样边缘、 $THR_{600s} \leq 4.0 \text{MJ}$ 、s1 和 d0;
- d: 非匀质制品的任一内部次要组份;
- e: 整体制品;
- f:  $s1 = SMOGRA \leq 30 \text{m}^2/\text{s}^2$  且  $TSP_{600s} \leq 50 \text{m}^2$ ;  $s2 = SMOGRA \leq 180 \text{m}^2/\text{s}^2$  且  $TSP_{600s} \leq 200 \text{m}^2$ ; s3=未达到 s1 或 s2;
- g: d0=按 EN 13823 规定, 600s 内无燃烧滴落物/微粒;  
d1=按 EN 13823 规定, 600s 内燃烧滴落物/微粒持续时间不超过 10s;  
d2=未达到 d0 或 d1;  
按照 EN ISO 11925-2 规定, 过滤纸被引燃, 则该制品为 d2 级;
- h: 通过=过滤纸未被引燃;  
未通过=过滤纸被引燃 (d2 级);
- i: 火焰轰击制品的表面和 (如果适合该制品的最终应用) 边缘。



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