EFECTIS ERA AVRASYA
TEST VE BELGELENDİRME A.Ş.

Fire Test Laboratory

Test
TS EN ISO/IEC 17025
AB-0556-T

AB-0556-T
ERA-22-196
10-22

CLASSIFICATION OF REACTION TO FIRE

IN ACCORDANCE WITH

EN 13501-1:2018

Sponsor : GENTAŞ KİMYA SAN. VE TİC. PAZ. A. Ş.
Aydınlı Kosb Mah. Tuzla Kimya San. Org. San. Böl. Analitik Cd. No:82 Tuzla, İstanbul / TURKEY

Tested and Prepared by : EFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
Dilovası OSB Mah. Fırat Cad. No: 18
Dilovası, Kocaeli / TURKEY

Product name : Acrylic Sheet - Acrylic Solid Surface

Classification report No. : ERA – 22 – 196

Issue Number : 1/2

Date of issue : 14.10.2022

Bu sınıflandırma raporu 5 sayfadan oluşmaktadır ve sadece bütün olarak kullanılabilir ya da yeniden oluşturulabilir.

Address: Dilovası OSB Mah. 5. Kısım, Fırat Cad. No: 18 Dilovası, Kocaeli / TURKEY
Phone: 0262 6581662 Fax: 0262 6581669 E-mail: turkey@efectis.com
Web: www.efectis.com

1. INTRODUCTION

This classification report defines the classification assigned to " *Acrylic Sheet - Acrylic Solid Surface* " in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General :

Acrylic Sheet - Acrylic Solid Surface is defined as a "type of classified product".

Description:

Acrylic Sheet - Acrylic Solid Surface is fully described in the test reports in support of the classification listed in clause 3.1.

Manufactured Plant: GENTAŞ KİMYA SAN. VE TİC. PAZ. A. Ş.
Demirciler Mah. GEBKİM OSB Refik Baydur Cad. No:6 Dilovası, Kocaeli / TURKEY

Tested product types:

Product Name	Thickness (mm)	Density (g/cm^3)	Color	Content
Acrylic Sheet - Acrylic Solid Surface	12	1,7	White	Acrylic based

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
EFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	GENTAŞ KİMYA SAN. VE TİC. PAZ. A. Ş.	FTST22819	EN 13823:2020
		FTST22820	EN ISO 11925-2:2020
		FTST22821	EN ISO 11925-2:2020

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean	Compliance parameters
EN ISO 11925-2[(a)] Flame exposition: 30 s	*F*s ≤ 150 mm ignition of filter paper	6 6	Yes No	Yes No
EN ISO 11925-2[(b)] Flame exposition: 30 s	*F*s ≤ 150 mm ignition of filter paper	6 6	Yes No	Yes No
EN 13823	$FIGRA_{0,2\ MJ}$ (W/s) $FIGRA_{0,4\ MJ}$ (W/s) LFS < edge $THR_{600\ s}$ (MJ)	3 3 3 3	40,7 40,7 Yes 5,9	(-) (-) Yes (-)
	SMOGRA (m^2/s^2) $TSP_{600\ s}$ (m^2)	3 3	0,0 1,2	(-) (-)
	Flaming droplet(s)/particle (s)	3	None	None

(-): Not applicable
(a): Surface flame attack
(b): Edge flame attack

The table below shows the worst results and classification parameters:

Test method	Parameter	Classification result	Compliance parameters
EN ISO 11925-2	Fs ≤ 150 mm Ignition of filter paper	Yes No	Yes **(B – D)** No **(d0)**
EN 13823	$FIGRA_{0,2\ MJ}$ [W/s]	40,7	≤ 120 **(B)**
	LFS < edge	Yes	Yes **(B)**
	$THR_{600\ s}$ (MJ)	5,9	≤ 7,5 **(B)**
	SMOGRA [m^2/s^2]	0,0	≤ 30 **(s1)**
	TSP_{600s} [m^2]	1,2	≤ 50 **(s1)**
	Flaming droplet(s)/particle (s)	None	None **(d0)**

(-): Not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 11.6, 11.9.2, 11.10.1 of EN 13501-1:2018.

4.2. Classification

Acrylic Sheet - Acrylic Solid Surface in relation to their reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for Acrylic Sheet - Acrylic Solid Surface is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	1	,	d	0

Reaction to fire classification: B-s1,d0

4.3. Field of application

This classification is valid for the following product parameters and products:

Product Name	Thickness (mm)	Density (g/cm^3)	Color	Content
Acrylic Sheet - Acrylic Solid Surface	12	1,7	White	Acrylic based

The classification is valid for the following end use applications;

- Application without airgap on mineral carrier with a reaction to fire class of A1 and A2 in accordance with EN 13501-1.

5. LIMITATIONS

5.1. Restrictions

This classification document does not represent type approval or certification of the product. This classification report is valid provided that the technical specifications of product are within the limits in accordance eith the field of application clause 4.3. This report is intially valid until **14th October 2023** providing that no significant modifications are made in technical specification of the specimen and related test and classification standards

Signed:

e-signed

.....

Tuğçe AKOĞLAN
Person in the charge of tests

Approved:

e-signed

.....

Ali BAYRAKTAR
Laboratory Manager