

ELEGANCE



Description

New generation film, **PVC free**, specifically designed for Interior Design, ideal to cover flat and slightly curved surfaces. Films with multiple effects, which give the surfaces a real touch and visual appearance. The film is suitable for indoor applications, has achieved B-S1-D0 fire resistance European classification and the naval certification (IMO)

Colours: see colour card.

Technical information

Technical data

| | |
|---|--|
| Film: | Calendered multi-layer P.V.C. |
| Film Thickness (without adhesive): | from 160 to 280 +/- 15 µm variable depending on the finish. (Istr. Op. n° 4). |
| Liner: | PE-Liner 1 side siliconised. |
| Release: | 50 +/- 15 cN/25mm. |
| Adhesive: | HTS acrylic super high tack, difficult to remove. |
| Grammage: | 50 +/- 5 g/m2. |

Adhesion after 24 h. :

(Peel 180° a 20°C)
(Istr. Op. n°7)

| Support | N/m |
|---------------------|--|
| Multilayer | 120 |
| Laminate | 390 |
| Chipboard (wood) | Not measurable for delamination support |
| OSB (wood) | Not measurable for delamination support |
| Drywall | Not measurable for delamination support |
| MDF | Not measurable for delamination support |

| | |
|---|---|
| Method of application: | dry. |
| Application temperature: | suggested between 15° and 28°C. |
| Shrinkage: | < 0,3 mm after 48 h. at 70°C on steel (Op. Istr. n° 8). |
| Temperature resistance: | from -40°C to +80°C adhered to steel (Op. Instr. n° 15). |
| Reaction to fire classification: | B-S1-D0 (Standard EN 15102:2007+A1:2011 Classification report CSI n° 0333\DC\REA\20_3). |
| Naval certification: | The product is fully compliant with the requirements of part. 2 - par. 2.2 IMO resolution MSC 307(88). (Test report n° 1180\DC\REA\20 Standard : MSC 307(88) - 2010 FTP CODE - part 5) |

Average expected lifetime

Film for internal use.

Storage

1 year, film must be kept warehoused at room temperature (20°C / 50% R.H.) suspended horizontally or placed in a vertically upright position in polythene bag..

Note

The values and the data given are based on tests we believe to be reliable and are typical values intended only as a source of information, and do not constitute a guarantee.
Purchasers must independently determine, before use, the suitability of the material for their own specific use and under their own operating conditions with the aim to determine if the APA product is suited for the specific goal and is furthermore suited for the use and the pre-selected application-method.

General information

Garanzia / limitazioni di responsabilità

APA materials are guaranteed to be free from all manufacturing defects.
In the event of ascertained defectiveness of the product, APA shall replace the materials used upon manufacturing the decorations.

APA shall not be liable for any additional costs, such as the work necessary for reprinting the design, the losses related to production time, the costs for removing or re-applying the graphics. APA, in addition, does not assume responsibility for the replacement of materials not produced by APA.

A.P.A. SpA cannot be held responsibility for any damages other than the substitution of the goods.

APA guarantees to maintain the interval of the variability of the colours of its products in the best possible way, using instrumental and visual checks.

To avoid colour variation, all the parts of the vinyl applied have to belong to the same production batch. It is also the case for decorations that are required for a long duration of time, updating or improvements of the decoration. Therefore, it is recommended to ask beforehand for the required material, belonging to the same production batch.

No salesman, representative, agent or distributor has authority to supply data different from those reported in this Technical Data Sheet. To make improvements all products may be modified without prior notice.

For a safe use of the self-adhesive materials by A.P.A. it is recommended to read the dedicated safety information.

For a safe use of the cleaners mentioned in this data sheet it is recommended to read the dedicated safety sheets.

Application

The film is conceived for a highly professional use.

The staff that apply the vinyl must possess the requirements and the training necessary.

Before applying the film always test the compatibility between the self-adhesive vinyl and the surface of the decoration and in particular verify:

1. the stability of the paint on the surface to be decorated.
2. the presence of oil, wax and other substrates, including those made by the cleaning, that could compromise the adhesion of the film and cause it to detach in the future. Make a general cleaning of the surface with suitable detergents before the application.

In order to avoid lifting, the material must not be trimmed on a edge; a material edge of at least 5-6 mm should be left.

It is recommended to apply the film in a room with a temperature between 15 and 28°C.

Apply the vinyl only using the dry method. Do not use water.

This vinyl is not compatible with:

- Non-flat surfaces, slightly curves are allowed
- painted surfaces with poor adhesion of the paint to the surface underneath
- dusty surfaces
- dirty surfaces
- flexible surfaces such as banners, truck curtains or textiles
- surfaces that give out gas (out-gassing)
- gasoline vapors or spillages

Cleaning the vinyl

The material has an excellent resistance to abrasion and wear, stain and mold. For cleaning, we recommend the use of water with a soft cloth and non-aggressive detergents.

Do not use rough sponges and cloths, abrasive creams or very strong solvents.

Cleaning with unsuitable products and tools could cause a premature deterioration of the vinyl.

Some films with high pigment content may leave a light coloured mark on the cloth upon cleaning. This event is normal, and becomes more visible if the film is rubbed vigorously or cleaned with detergents containing solvent. So as not to alter the appearance of the film, we recommend cleaning the surface gently and evenly.

Detergent resistance

The material is resistant to detergents commonly used in the home sanitation, however, it is recommended to check the compatibility of the detergents and cleaners commonly used before treating large areas.

Food resistance

The material is resistant to most foods: Acids (for example lemon juice, vinegar, coffee etc), Non-acidic (for example brine), fats (olive oil). It is advisable however to avoid contact of food residue on the material for a long period of time.

Maintenance

Avoid rubbing against objects that could cause scratches or ripping of the vinyl beyond repair.

An extended exposition to solar rays could provoke a premature aging of the film.

In conclusion, we recommend protecting the decorated surface from the sun and the elements to the greatest extent possible.

If a film deterioration should arise, for example, fading, change of colour or become brittle, then an immediate removal is recommended.

For a good maintenance of the vinyl regular cleaning is recommended.

Removal

Due to the high tack film adhesiveness, **it is important to acknowledge that during the removal process, it is possible that varnish or primer can be peeled off together with the film. Furthermore, possible glue traces can remain on the surface.**

During the removal process it is important to apply heat gun to the self-adhesive vinyl.

The operations of the vinyl removal are conditioned by many factors, such as the time passed from the application, exposure of the decoration either outdoors or indoors, type of surface, temperature of the room and of the surface, etc... **Therefore it is difficult to quantify and determine the speed and execution time of the removal by A.P.A. SpA.**

The company APA cannot be held responsible of any damage caused during the removal phase and/or damages of the surface upon which the film has been applied.



Certificato numero / Certificate number

DE/6350

CERTIFICATO DI ESAME DEL TIPO
CERTIFICATE OF TYPE EXAMINATION

Visti i Rapporti di Prova e di Classificazione / Referring to the Test and Classification Reports
n. 0333\DC\REA\20_1, 0333\DC\REA\20_2, 0333\DC\REA\20_3 del / dated 13/03/2020

si dichiara che il Fabbricante/we declare that the Manufacturer

A.P.A. S.p.A.**Via Ruffilli, 6 - 20060 PESSANO CON BORNAGO (MI) - ITALY**

ha richiesto sui provini da lui stesso campionati e denominati
has requested on the specimen sampled by himself and named

Film compositi con adesivo acrilico ultrapermanente
Composite films with ultra-permanent acrylic adhesive
**SERIE NW, SERIE OVERTOP, SERIE ELEGANCE, SERIE CW, SERIE
COVER, SERIE CREATIVE, SERIE SPECIAL**

le prove di tipo secondo la norma EN 15102:2007+A1:2011, in conformità ai punti richiesti dal
Fabbricante stesso e indicati nell'Allegato A del presente certificato, secondo il Sistema di valutazione
e verifica della costanza della prestazione 3 (tre) - Allegato V del Regolamento (UE) n. 305/2011.
the type testing according to EN 15102:2007+A1:2011 in compliance with the points required by the Manufacturer
himself and listed in Annex A of this certificate, according to the System of assessment and verification of
constancy of performance 3 (three) - Annex V of the Regulation (EU) n. 305/2011.

I risultati delle prove eseguite sul campione sono riportati nell'Allegato A
The results of the tests on the sample are reported in the Annex A

Prima emissione / First issue: 20/05/2020
Ultima emissione / Last issue: //
Scadenza / Expiring: 19/05/2025

Ing. P. Fumagalli
B.A. Prodotto/Product

GQ002 REV.00

CERTIFICATO DI ESAME DEL TIPO - Allegato A
CERTIFICATE OF TYPE EXAMINATION - Annex A**Film compositi con adesivo acrilico ultrapermanente**
Composite films with ultra-permanent acrylic adhesive
SERIE NW, SERIE OVERTOP, SERIE ELEGANCE, SERIE CW, SERIE
COVER, SERIE CREATIVE, SERIE SPECIAL

In base alle prove di tipo eseguite e alle caratteristiche del prodotto contenute nel Fascicolo Tecnico depositato presso CSI S.p.A., i risultati sono:

According to the type testing performed and the documents of the Technical File deposited at CSI S.p.A., the results are:

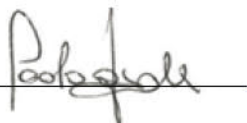
| Caratteristiche prodotto / Product characteristics: | |
|---|--|
| Descrizione <i>Description</i> | film composito poliolefinico autoadesivo <i>self-adhesive polyolefin composite film</i> |
| Massa areica <i>Weight per area unit</i> | 250 g/m ² |
| Spessore <i>Thickness</i> | 0,28 mm |
| Prestazioni / Performances: | |
| 4.1 Reazione al fuoco <i>4.1 Reaction to fire</i> Impiego <i>End use</i> | classe / class B-s1, d0 incollato su supporto incombustibile o cartongesso <i>glued on non combustible substrate or gypsum plasterboard</i> |

Prima emissione / First issue: 20/05/2020

Ultima emissione / Last issue: //

Scadenza / Expiring: 19/05/2025

Ing. P. Fumagalli
B.A. Prodotto/Product



RAPPORTO DI PROVA / TEST REPORT

NUMERO / NUMBER

1180\DC\REA\20

DATA DI EMISSIONE / EMISSION DATE

19/10/2020

BUSINESS AREA

BA Product Conformity Assessment

LABORATORIO / LABORATORY

Reaction to Fire

IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE / SPECIMEN DESCRIPTION

Film compositi con adesivo acrilico ultrapermanente – Serie Elegance

CLIENTE / CUSTOMER

A.P.A S.p.A
Via Ruffilli, 6
20060 PESSANO CON BORNAGO (MI)

NORMA DI RIFERIMENTO / REFERENCE STANDARD

Resolution MSC.307(88) – Adoption of the international code for application of fire test procedures, 2010 (2010 FTP CODE) - Part 5 - Test for surface flammability

1180\DC\REA\20

19/10/2020

Dati generali / General data

Data ricevimento campione / Date of test specimen arrival: 15/09/2020

Data accettazione campione / Date of test specimen acceptance: 15/09/2020

Data inizio prove / Test beginning date: 01/10/2020

Data fine prove / Test end date: 16/10/2020

Luogo di prova/ Test site: Viale Lombardia, 20, 20021 Bollate (MI) Italia

Deviazione dai metodi di prova/
Deviations from test methods: NO/NO

Campionamento/Sampling

Il campionamento e il prelievo iniziali sono stati eseguiti dal Committente della prova. / The initial sampling has been done by the customer.

Campioni analizzati / Samples tested

3 Provette campione denominate / 3 Specimens of sample identified:

Film compositi con adesivo acrilico ultrapermanente – Serie Elegance

| | | |
|----------------------|---|---|
| Descrizione | : | Film poliolefinico con adesivo acrilico per rivestimento superfici. |
| Description | : | Polyolefin film with acrylic adhesive for surface finishing. |
| Spessore / Thickness | : | 0,10 mm |
| Massa areica / | | |
| Mass per area | : | 150 g/m ² |
| Colore / Color | : | Marrone / Brown |

1180\DC\REA\20

19/10/2020

Condizionamento: 23 °C - 50 % u.r. fino a massa costante.
Conditioning: 23 °C - 50 % r.h. until constant mass.

Allestimento del campione / Specimen mounting and fixing:
Incollato su supporto in calcio silicato Promatec H (densità 870 kg/m³, spessore 12 mm).
Glued on Promat H calcium silicate (870 kg/m³ density, 12 mm thick).

Dichiarazioni / Statements

I risultati di prova contenuti nel presente rapporto si riferiscono esclusivamente al campione provato / Test results contained in this test report pertain exclusively to the tested specimen

Il presente rapporto non può essere riprodotto parzialmente senza l'autorizzazione del Responsabile del Centro / This test report cannot be reproduced partially without the consent of the test center managing director

I dati tecnici riportati nella descrizione del campione sono desunti dalla scheda tecnica allegata dal cliente al campione di prova. / The technical data reported on the specimen description are taken from client technical sheet

Questi risultati di prova si riferiscono solo al comportamento del prodotto nelle particolari condizioni di questa prova e non vogliono essere l'unico criterio per accertare il potenziale rischio di incendio del prodotto in utilizzo / These test results relate only to the behaviour of the product under the particular conditions of this test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use

1180\DC\REA\20

19/10/2020

Risultati / Results:

Metodo di prova / Test method: **IMO Res. MSC.307(88) - Part 5**

| Identificazione della provetta/ Specimen identification | 1 | 2 | 3 | Media Average |
|--|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|
| Tempo di innesco / Ignition time [s] | Nessun innesco No ignition | Nessun innesco No ignition | Nessun innesco No ignition | - |
| Tempo di spegnimento / Flame out time [s] | - | - | - | - |
| Zona danneggiata / Extent of burn [mm] | 0 | 0 | 0 | 0 |
| Durata della prova / Test duration [s] | 600 | 600 | 600 | 600 |
| Calore medio per la combustione sostenuta / Average heat for substained burning Q_{sb} [MJ/m ²] | - | - | - | - |
| Flusso di calore critico allo spegnimento Critical heat flux at extinguishment CFE [KW/m ²] | 49,5 | 49,5 | 49,5 | 49,5 |
| Totale del calore rilasciato Total heat release Q_t [MJ] | 0 | 0 | 0 | 0 |
| Picco del tasso di calore rilasciato Peak of heat release rate Q_b [kW] | 0 | 0 | 0 | 0 |
| Gocciolamento Dripping | Parti spente Not flaming | Parti spente Not flaming | Parti spente Not flaming | Parti spente Not flaming |

1180\DC\REA\20

19/10/2020

Il Calore Totale Rilasciato (Q_t) non è superiore a 0,2 MJ ed il Picco del Tasso di Rilascio di calore (Q_b) non è superiore a 1,0 kW. Quindi, in accordo con il Paragrafo 2.7 dell'Allegato 4 Parte 5 alla Risoluzione IMO MSC 307(88), i campioni a cui si riferisce questo rapporto si considerano essere conformi alle prescrizioni della Parte 2 Paragrafo 2.2 della risoluzione IMO MSC 307(88).
The Total Heat Release (Q_t) is not more than 0,2 MJ and the Peak Heat Release Rate (Q_b) is not more than 1.0 kW. Therefore, in accordance with Paragraph 2.7 of Part 5 Annex 4 to IMO Resolution MSC 307(88), it is considered that the specimens covered by this report comply with the requirements of Paragraph 2.2 Part 2 to IMO Resolution MSC 307(88).

Il campione in esame **soddisfa** i requisiti della prova (par. 3 IMO Res. MSC.307(88) - Part 5)

The sample tested **complies** with the test requirements (par. 3 IMO Res. MSC.307(88) - Part 5)

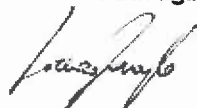
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Operating Sector Reaction to Fire
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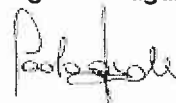
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19/10/2020

Dr. Lorenzo Zavaglio



Ing. P. Fumagalli



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RAPPORTO DI PROVA / TEST REPORT

NUMERO / NUMBER

1180\DC\REA\20_2

DATA DI EMISSIONE / EMISSION DATE

19/10/2020

BUSINESS AREA

BA Product Conformity Assessment

LABORATORIO / LABORATORY

Reaction to Fire

IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE / SPECIMEN DESCRIPTION

Film compositi con adesivo acrilico ultrapermanente – Serie Elegance

CLIENTE / CUSTOMER

A.P.A S.p.A
Via Ruffilli, 6
20060 PESSANO CON BORNAGO (MI)

NORMA DI RIFERIMENTO / REFERENCE STANDARD

Resolution MSC.307(88) – Adoption of the international code for application of fire test procedures, 2010 (2010 FTP CODE) - Part 5 - Test for surface flammability

1180\DC\REA\20_2

19/10/2020

Dati generali / General data

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Data accettazione campione / Date of test specimen acceptance: 15/09/2020

Data inizio prove / Test beginning date: 01/10/2020

Data fine prove / Test end date: 16/10/2020

Luogo di prova/ Test site: Viale Lombardia, 20, 20021 Bollate (MI) Italia

Deviazione dai metodi di prova/
Deviations from test methods: NO/NO

Campionamento/Sampling

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Campioni analizzati / Samples tested

3 Provette campione denominate / 3 Specimens of sample identified:

Film compositi con adesivo acrilico ultrapermanente – Serie Elegance

Descrizione : Film poliolefinico con adesivo acrilico per rivestimento superfici.

Description : Polyolefin film with acrylic adhesive for surface finishing.

Spessore / Thickness : 0,28 mm

Massa areica /

Mass per area : 250 g/m²

Colore / Color : Marrone / Brown

1180\DC\REA\20_2

19/10/2020

Condizionamento: 23 °C - 50 % u.r. fino a massa costante.
Conditioning: 23 °C - 50 % r.h. until constant mass.

Allestimento del campione / Specimen mounting and fixing:
Incollato su supporto in calcio silicato Promatec H (densità 870 kg/m³, spessore 12 mm).
Glued on Promat H calcium silicate (870 kg/m³ density, 12 mm thick).

Dichiarazioni / Statements

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Questi risultati di prova si riferiscono solo al comportamento del prodotto nelle particolari condizioni di questa prova e non vogliono essere l'unico criterio per accertare il potenziale rischio di incendio del prodotto in utilizzo / These test results relate only to the behaviour of the product under the particular conditions of this test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use

1180\DC\REA\20_2

19/10/2020

Risultati / Results:

Metodo di prova / Test method: **IMO Res. MSC.307(88) - Part 5**

| Identificazione della provetta/ Specimen identification | 1 | 2 | 3 | Media Average |
|--|----------------------------------|----------------------------------|----------------------------------|-------------------------------------|
| Tempo di innesco / Ignition time [s] | Nessun innesco No ignition | Nessun innesco No ignition | Nessun innesco No ignition | - |
| Tempo di spegnimento / Flame out time [s] | - | - | - | - |
| Zona danneggiata / Extent of burn [mm] | 0 | 0 | 0 | 0 |
| Durata della prova / Test duration [s] | 600 | 600 | 600 | 600 |
| Calore medio per la combustione sostenuta / Average heat for substained burning Q_{sb} [MJ/m ²] | - | - | - | - |
| Flusso di calore critico allo spegnimento Critical heat flux at extinguishment CFE [KW/m ²] | 49,5 | 49,5 | 49,5 | 49,5 |
| Totale del calore rilasciato Total heat release Q_t [MJ] | 0 | 0 | 0 | 0 |
| Picco del tasso di calore rilasciato Peak of heat release rate Q_b [kW] | 0 | 0 | 0 | 0 |
| Gocciolamento Dripping | Parti spente Not flaming | Parti spente Not flaming | Parti spente Not flaming | Parti spente Not flaming |

1180\DC\REA\20_2

19/10/2020

Il Calore Totale Rilasciato (Q_t) non è superiore a 0,2 MJ ed il Picco del Tasso di Rilascio di calore (Q_b) non è superiore a 1,0 kW. Quindi, in accordo con il Paragrafo 2.7 dell'Allegato 4 Parte 5 alla Risoluzione IMO MSC 307(88), i campioni a cui si riferisce questo rapporto si considerano essere conformi alle prescrizioni della Parte 2 Paragrafo 2.2 della risoluzione IMO MSC 307(88).

The Total Heat Release (Q_t) is not more than 0,2 MJ and the Peak Heat Release Rate (Q_b) is not more than 1.0 kW. Therefore, in accordance with Paragraph 2.7 of Part 5 Annex 4 to IMO Resolution MSC 307(88), it is considered that the specimens covered by this report comply with the requirements of Paragraph 2.2 Part 2 to IMO Resolution MSC 307(88).

Il campione in esame **soddisfa** i requisiti della prova (par. 3 IMO Res. MSC.307(88) - Part 5)

The sample tested **complies** with the test requirements (par. 3 IMO Res. MSC.307(88) - Part 5)

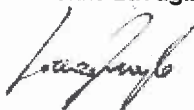
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Operating Sector Reaction to Fire
Operating Sector Reaction to Fire

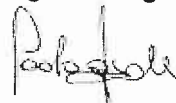
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19/10/2020

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