

Technical data sheet for ALLPROTECT by Landolt.com™ FR+ updated: September 2019

Product description

ALLPROTECT by Landolt.com™ FR+



Allprotect (FR+) is made of an exceptionally strong nonwoven with a non-slip and non-abrasion surface combined with an impermeable adhesive reverse side. Additionally, the product is flame retardant and anti static. It is designed to strongly protect underlying surfaces against most mechanical impacts and liquids and may be applied on most surfaces.* Because of its strong adhesion, it can be used both horizontally and vertically.

Characteristic properties

Nonwoven material	Polyester
Reverse side material	PE film with pressure sensitive acrylic coating
Weight	350 g/m ² (+/- 10%)
Thickness	> 2.5 mm
Colour	dark grey

Technical performance

Tensile strength MD/CD EN ISO 13934-1	> 8kN/m / 12kN/m
Elongation MD / CD EN ISO 13934-1	60% / 80% (+/- 10%)
Dynamic perforation resistance (Cone drop) DIN ISO 13433	15 mm (+/- 10%)
Solvent / Liquid resistance	The product has been successfully tested to protect underlying materials against water, motor oil, grease, standard cleaners, and WD-40.*
Antistatic performance	1MΩ - 1GΩ (at 50% rh)
UV resistance adhesion side (if used on glass or other transparent material)	Up to 2 months.*
Adhesion AFERA 5001	110 cN/cm (+/- 10%)
Water absorption ability DIN ISO 53923	> 600% by weight

Applications



Allprotect provides temporary surface protection for floors, stairs, walls, and various objects. It can be easily cut to desired shapes. The product is particularly suitable for applications with low fire contribution and electrostatic discharge (ESD) requirements. It is easy to clean and reusable as long as the adhesive backing is undamaged and free of dirt or dust.

Storage / Before use

The product must be stored in original packaging, in dry conditions and above freezing point. Avoid direct sunlight exposure during storage. We recommend acclimatization to room temperature prior to application.

Application Instructions

Immediately prior to application, the surface must be cleaned and dried to ensure removal of dust, oils, solvents and condensation (moisture). Adhesion is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops increased adhesive contact. Ideal surface temperature range is 5° C to 40° C (41° F to 104° F). Using the product in lower surface temperatures may reduce adhesion force. Higher surface temperatures may lead to an unwanted transfer of the adhesion coating to the underlying surface. During application, we recommend to examine the product and the underlying surface every 2-4 weeks (depending on underlying surface, environmental conditions and exposure of the product)*.

Additional product information

Allprotect (FR+) contains no volatile organic components (VOC's), respiratory protection is not required under normal use conditions. The product is thermally disposable.

(please see next page for further important notes)

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*Important Notes on Product Use

Many factors beyond Landolt's control and uniquely within user's knowledge and control can affect the use and performance of this product in a particular application. Given the variety of factors that affect the use and performance of the product, before use **trial use on test surfaces is strongly recommended**. The user is solely responsible for evaluating the product under original conditions and determining whether it is fit for a particular purpose and suitable for user's method of application.

This includes, but is not limited to, performance of the adhesion backing and compatibility with the underlying surface. When using the product on sensitive surfaces such as polished metal, we recommend additional examinations before and during use. Should unwanted residues on glass or metal surfaces occur, we recommend a cleaning agent based on isopropanol and citrus peels extract.

The product is almost impermeable, take care when using it on surfaces with a potential evaporation.

In addition careful testing of durability against unknown and/or not mentioned liquids is strongly recommended.

Do not use product on moving cars, aircrafts or other means of transportation while they are in use.

Important Notes on Technical Information

The technical information, recommendations and other informations contained in this document are based on our own tests and experiences, which we deem reliable, but for which we can not assume any guarantee or liability. The data given are average values established by our laboratories and external testing institutes. They may display minor deviations due to testing equipment variations. We reserve the right to make changes without prior notification.

Limitation of Liability / Warranty

Unless an additional warranty has been explicitly provided, Landolt only warrants that Allprotect (FR+) meets the product specifications mentioned in this document at the time of shipment. Landolt assumes no other warranties or obligations that may arise from any action with, or application of, the product. If the product does not comply with these specifications, Landolt has the option of either making a replacement delivery or refunding the purchase price.

For whatever legal reason, Landolt is not liable for any losses or damages that may arise directly or indirectly from the application and use of the product. Any disputes arising from the business relationship with Landolt fall under the jurisdiction of the Ordinary Courts at the place of residence of the company (CH 8752 Näfels). Swiss law is applicable.



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