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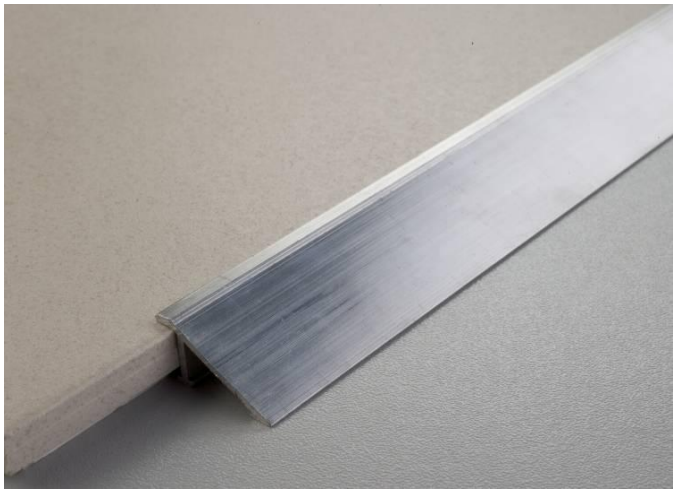
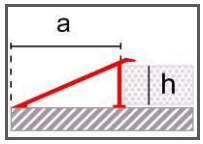
Novonivel® 2



h: 10 mm.

a: 19 mm.



Length: 250 cm.

Material: Aluminium

NOVONIVEL® 2

Aluminium transition profile to avoid the difference in floor level, caused on placing pavements at different height, as for example on placing a new pavement on an old one (usual situation in renovation works).

It is specially designed to be placed after having placed the flooring. It will be fixed with a silicone-type adhesive.

It is available in natural aluminium.

PROPERTIES OF ALUMINIUM

- Aluminium is, after iron, the metal more used in the world, and, very regularly, used in modern construction too, as it has many technical advantages.
- Aluminium used Novonivel® 2 of Emac® is a high-performance aluminium, which is ideally suited to the tasks for which they are intended. This alloy corresponds to the 6063, according to the European Aluminium Association. (Numerical designation UNE 38-337-82, according to Spanish Standard UNE 38-3003441).
- Aluminium protects itself forming quickly a thin surface layer of aluminium oxide (Al_2O_3) when it to come into contact with the air. This layer is waterproof and stops the process of oxidation, which provides corrosion resistance and durability.
- It's a light, malleable and, in turn, very tough material. Its specific mass is 2,70 g/cm3

FIRE RESISTANCE

Its behavior to fire is classified as a **M1**, combustible Material but not inflammable, which involves its combustion will stop without the contribution of heat coming from an exterior heart.

INSTALLATION

Place the pavement and fix the profile with a silicone-type adhesive. Finally, clean carefully the spare material.

CLEANING AND MAINTENANCE

After having installed an Aluminium profile, we recommend the immediate cleaning of the fixing material to avoid loosed of aspect.

Aluminum is sensitive to alkaline materials or products, so it is important to remove the traces of wet cement, mortar or grout to prevent the emergence of possible oxidation marks.

The steel wool, abrasive cleaner and scouring product are not recommended and could soil, get scratched or eliminate the treatment of the surface of Aluminium. Nor is it advisable to use soda solutions, and strong acidic or alkalis.

Natural Aluminium

Natural oxide layer formed on the aluminium and used to protect it from corrosion can be dissolved with citric acid, so they should avoid using cleaners that contain this acid, since it could remove the protective layer of aluminium, decreasing resistance to corrosion.

Aluminium has amphoteric characteristics. This means that dissolves in strong acids (eg. Salfuman or hydrochloric acid (HCl) and perchloric acid ($HClO_4$)), and strong alkalis (such as caustic soda (NaOH), potash (KOH) or ammonia (NH_3)), so their use is not recommended.

Aluminium also reacts with Cu^{+2} and Cl^- ions (since their passivation disappears, and becomes reactive). They may also be affected by contact with solvents containing halogen-alkenes (hydrofluoroethers (HFEs), chlorinated solvents (trichloroethylene), and so on.), but generally resistant to corrosion due to rust that forms the protective layer.

TECHNICAL INFORMATION

You can download more information about the technical characteristics of the material that the Novonivel® 2 is made of in www.emac.es

In www.emac.es you can download for free the Technical Manual of Profiles, where you will find information about all our profiles, its features, advices for cleaning and maintenance of the materials on which they are made, as well as, special applications and regulations and by-laws that affect our products. If you have some query or question, please contact with the technical office: otecnica@emac.es