



bandoxaldécor™ – Application Manual

bandoxaldécor™, specially designed for inside use, is a versatile material, and can be tailored to your main transformation processes, in line with certain precautions over its use:

Transformation possibilities

Cutting

bandoxaldécor™ can be cut on the same type of machine as for trimming steel by incorporating specific tools and taking great care with the state of product surfaces.

Laser cutting is always possible. It is recommended to make the cuts on the side which is not covered with the plastic protection film. Even with this technique it is possible that polymerisation of the film adhesive, due to the laser heating, can leave some traces on the cut edge, but generally less than 0.5 mm wide. It is possible to remove these by manual cleaning.

Machining

bandoxaldécor™ can be sawn, milled and drilled with all the machines commonly used for wood or laminated panels.

Bending and shaping

bandoxaldécor™ can be folded, twisted and shaped in a wide variety of ways, even with minimum angles. It can be used in a large range of shapes, from flat to curved, vaulted, folded and preshaped. Shaping **bandoxaldécor™** without adversely affecting its finish will depend on the thickness and alloy for the base metal, the specific treatment for the product that you have requested, and of course your requirements in terms of the final appearance.

Punching

Low-alloy tool steels should be used for dies. Die clearance should not be more than 5% of material thickness. Volatile lubricants applied in minute quantities can improve the final result. Protective film must be carried out before punching.

Gluing

bandoxaldécor™ is also treated on the rear and is therefore suitable for gluing to other materials. It can be applied on all current materials, including chipboard, block-board and plywood, provided that their surfaces are smooth, dry and free from oil. It may also be stuck to other metals. However, we advise against gluing it directly to plaster, cement, etc. In such cases, a suitable material should be used between the metal and the other surface.



Assembly

To avoid shadow spots, and obtain the expected performance in terms of distribution and efficiency, the rolling direction has to be taken into consideration while assembling. All connectors and adhesive should be placed on the rear side of the sheets in flat position. The front side should be protected while assembling. Clean gloves have to be worn in each mounting phase to avoid finger prints.

Printing

bandoxaldécor™ can be print with various processes. Compatibility between material, inks and process should be tested before industrial use.

Handling and storage

Handling

bandoxaldécor™ is a product with a finished surface. It must therefore be handled with care. We recommend using the ALMECO protective film in order to prevent the surface from being bumped or scratched when the metal is being handled. For large formats, handling by two people and four hands – with protective gloves – is strongly recommended. When stacking and unstacking sheets, avoid sliding them over one another. Lift them up.

Storage

- Where?

Sheets must be stored inside, away from sunlight and sheltered from heat. If the surface is covered with a protective film, direct exposure to UV rays may cause polymerisation and therefore a hardening of the film's glue, making it very difficult or even impossible to remove the covering from the surface. In addition, exposure to sources of heat could result in various phenomena linked to the film's glue transferring to the metallic surface. For coloured products, prolonged exposure to the sun could cause a significant deterioration in their colour. **bandoxaldécor™** sheets must not be stored near oily steam.

- How?

For formats, storage in the original ALMECO crate is strongly recommended. Coils can be provided “eye to sky” or “eye to wall” according to your needs For format transfers, the best solution is to store them with the film facing upwards, away from light and dust. You may also store pre-anodised sheets vertically in specially designed racks to prevent sagging.



Other properties

bandoxaldécor™ is M 0 and A1 rated for fire resistance tests.

It can easily be cleaned with a soft cloth and an alcohol-based product.

bandoxaldécor™ is a fully workable material, whose finish can be highly original and personalised in light of the user's imagination. So, do not hesitate to ask us for your samples.

Test out **bandoxaldécor™** on your tools and see for yourself!

bandoxaldécor™

The right solution for all those applications where the product appearance is very important. High quality name plates for automotive industry: Emblems, badges, automotive accessories, frontal inlays, serial number plates, industrial plates. The use of anodised aluminium parts ensures a refined and prestigious effect. An epoxy colour printing and polycarbonate inlay on anodised aluminium is possible as well as covering of polyurethane resin. Adaptation with different adhesives allows adhesion to plastic, metal, wood or glass.

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