

General Information

Installation

To avoid possible reflection differences (for metallic colours or DIBOND®butlerfinish) we recommend installing the panels in the same direction and marked on the protective film.

Batch identity

We strongly recommend using material of the same production batch to reach an ideal result with a uniform colour shade.

Protective film

The protective film on both sides protect the lacquered DIBOND® surfaces against damages that can occur during transportation, storage, processing or installation. We recommend removing the protective film from the sheets as soon as possible after installation in order to avoid residues of glue sticking to the surface due to radiation and outdoor exposure. The protective films and the panel surfaces may not be marked using ink (marker), adhesive tapes or stickers, as the lacquered surfaces could be damaged by solvents or plasticizers.

Handling

The pallets need to be handles carefully during transport and unloading. Especially for the handling of large formats the individual panels should only be lifted off the pallet by two people holding all four corners. The panels may not be drawn over each other. We recommend carrying the panels vertically and wearing gloves to avoid staining.

Storage

DIBOND® pallets of the same size can be stacked however only with a maximum of 6 pallets stacked on top of each other. A storage exceeding 6 months should be avoided. It is important to protect DIBOND® pallets against rain, wetness, spray water and condensation (eg, when transporting cold panels to warmer rooms) at any time while storing. Prior to any processing steps the panels should go through an intermediate storage for 24 hours at temperatures between 18°C and 20°C. For short term storage between two processing steps we recommend underlying the sheets with polystyrene or foam wedges.

Cleaning and maintenance

Regular cleaning and the removal of dirt and aggressive deposits will not only maintain the aesthetic look of stove-lacquered surfaces but also their value and quality. DIBOND® surfaces should be cleaned either manually or with a suitable cleaning device from top to bottom. Abrasive pads may not be used on lacquered surfaces. Any powerful alkaline cleaning agents such as potassium hydroxide, sodium carbonate or caustic soda, or any powerful acidic products or heavily abrasive scouring agents would harm the lacquered surface and may therefore not be used. After the cleaning the surfaces should be washed with cold water in order to remove cleaning residues.

Cleaning of mirror like surfaces

Even though DIBOND® is handles with care, dirt and impurities such as finger prints can occur. Vilene or other fleece material for mirror surfaces with no liquid additives are suitable for cleaning. In case the dry cleaning should not be sufficient, water with a low surface tension can be used for pre-cleaning. The drying should again be done with a fleece cloth.

Any liquid cleaning agent should be pH-neutral and may not be abrasive. Cleaning agents for glass can be used if they correspond to the a.m criteria.

[We advise you to test the cleaning agent on an inconspicuous part of the DIBOND® panel to check the usability.](#)

[Do not clean hot surfaces \(>40°C\) as the quick drying process may case blemishes.](#)

Expansion of DIBOND® sheets

As DIBOND® is used at temperatures between -50°C and +80°C it is subject to thermal expansion or shrinking which needs to be considered when choosing the fixing system, fasteners and sealing. The linear thermal expansion of DIBOND® is determined by the aluminium cover sheets and can be exactly calculated.

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