

Notes on varnishing, painting and film-wrapping of covers with aluminium Dibond panels or a composite of aluminium Dibond and ABS plastic

(part no. 733000 M-WRG-II DA, part no. 733002 M-WRG-II DA-GD, part no. 735100 M-WRG-II U² AD/WS, part no. 5052-10-04 M-WRG-U² AD/WS-2)

An aluminium Dibond panel can be varnished, film wrapped or painted, but it must first be correctly pre-treated.

Varnishing/painting

As soon as the protective film is removed, the panel must be cleaned and degreased with isopropyl alcohol. The isopropyl alcohol must not be poured directly onto the panel; it must be cleaned and degreased with a lint-free cloth moistened with isopropyl alcohol. Then wipe the surface dry with a grease-free cloth.

We recommend sanding the panel with a non-woven abrasive (280/320 grit) to ensure optimum adhesion of the coating. Then wipe off the sanding dust and degrease the sanded surface again as described above.

Once the panel has been correctly pre-treated, it can be painted or varnished.

- For varnishing, follow the paint or varnish manufacturer's instructions and application guide.
- Be careful not to apply the coating too thickly.
- When selecting the paint system, make sure that the aluminium Dibond panel does not have to be exposed to high temperatures. The panel must not be placed in an oven or drying chamber in order to dry the paint. The paint system must be able to dry and cure at normal room temperature.
- We recommend that you store the panel horizontally during application and drying as this will give a nice, even finish.
- In particular, it may be necessary to use a bonding primer when coating with wall paint.
- Do not allow organic solvents (e.g. acetone or cellulose thinner) to come into contact with the panel's cut edges for long periods as they could damage the composite.
- Only low adhesion is obtained with the exposed plastic core (cut edge).
- Test the colour definition and adhesion of the coating on an inconspicuous part of the panel, e.g. on the reverse.

Recommended varnish:

Acrylic varnish is especially suitable for internal applications. It is water-based and environmentally-friendly. It dries quickly and can be applied entirely safely with a brush in all living areas.

Recommended paint:

High-quality emulsion paint (wall paint) for internal applications.

Film-wrapping

As soon as the protective film is removed, the panel can be immediately wrapped with self-adhesive film, for example. If the protective film had already been removed, the cleaning steps described above should be applied. Apply the film with a 1 cm overhang on all sides. After fixing, carefully remove the overhanging film using a cutting blade.

Follow the film manufacturer's application guide.

Notes on varnishing ABS/PS plastic parts

(e.g. unit cover M-WRG and M-WRG-II, part no. 5364 M-WRG-BR, part no. 5370-3 M-WRG-DB/3)

ABS/PS plastic parts may be varnished. The important factor is that the parts are pre-treated thoroughly.

First they must be cleaned and degreased with isopropyl alcohol. The isopropyl alcohol must not be poured directly onto the plastic parts; they must be cleaned and degreased with a lint-free cloth moistened with isopropyl alcohol. Then wipe the surface dry with a grease-free cloth.

Plastics have very smooth surfaces, so they do not offer the ideal adhesion for varnishes. To ensure optimum adhesion, apply a bonding primer before varnishing.

Once the plastic parts have been correctly pre-treated, they can be varnished.

- For varnishing, follow the paint or varnish manufacturer's instructions and application guide.
- Be careful not to apply the coating too thickly.
- When selecting the paint system, make sure that the plastic parts do not have to be exposed to high temperatures. They must not be placed in an oven or drying chamber in order to dry the paint. The paint system must be able to dry and cure at normal room temperature.
- We recommend that you store the parts horizontally during application and drying as this will give a nice, even finish.
- In particular, it may be necessary to use a bonding primer when coating with wall paint.
- Test the colour definition and adhesion of the coating at a suitable point.

Recommended varnish:

Acrylic varnish is especially suitable for internal applications. It is water-based and environmentally-friendly. It dries quickly and can be applied entirely safely with a brush in all living areas.

Please note:

We do not recommend coating plastic parts with emulsion paint (wall paint) as it is not sufficiently durable.

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