

DIBOND – List of Advantages

- **Alloy: AlMg1**
produces great results when fabricated and is weather-proof. Competitors often use other alloys with different material properties. The results are different when fabricated.
- **PE-Core equipped with UV-blockers**
to avoid delamination on exterior application of DIBOND, the core contains a black UV blocker (Materials from competitors often have a clear core, UV rays can enter and delamination is more likely to happen)
- **Great variety of surfaces**
Standard colours matt and high gloss, special colours...
DIBOND-Surfaces are coated with high quality polyester lacquers with a high level of weather resistance and colour stability. The coil coating process ensures an excellent quality and consistency. All coated surfaces are ideally suitable for fabrication, such as bending and folding, without damaging the coating.
- **Special metal surfaces**
Anodised, mirror, butlerfinish (4 variations – natural, gold, copper and steel) available.
- **DIBOND is coated with a decorative and high quality coating on both sides**
(Not only a thin primer or mill finish as some competitors do).
- **Surface treatment**
DIBOND is well suited for screen and digital printing. Especially digital printing needs a high consistency, which DIBOND offers. A change of surface may cause problems when printing or require additional adjustment of the machines.
- **Continuous high quality**
The aluminium-coils which are used for DIBOND® are produced directly at the site in Singen by our partner company Constellium GmbH. This proximity guarantees consistent quality during the whole production process. Both Constellium GmbH and 3A Composites GmbH are certified according to ISO 9001, ISO 14001, OHSAS 18001 and ISO 50001.
- **Flatness**
We fulfil the requirements for solid sheets according to DIN EN 485-4. Our internal standards go beyond this requirement, so that we exceed the flatness requirements for blank sheets.
- **Guarantee**
3A Composites GmbH is currently the only manufacturer that publishes a general letter of guarantee for the colour fastness of the surfaces.
- **More than four decades of experience in production of ACMs**
3A Composites is the inventor of aluminium composite panels. There are three production lines producing four different products on three lines in Singen: ALUCOBOND, DIBOND, ALUCORE, HYLITE; And further production lines in USA, China and Brazil.
As 3A Composites GmbH is the “inventor” of ACM and was the first on the market, we also have reference objects which date back the longest time.
- **Environment**
Our products are free of hazardous substances such as heavy metals or softening agents
- **Technical Assistance available when needed**
Our own technical dept. gives assistance, answers questions, and comes in person to distributors when required.
- **Training and Information Events**
For the distributor’s sales team or for end-customers, in-house or at the customer’s site.
- **Recycling**
Our distributors have the opportunity to participate in the “Recycling Programme”.
Our dealer offers a collection, disposal and recycling service. This means there are lower disposal costs for our customers.