

**Standard enamelling:**

Our products are standard powder enamelled with structure enamel. This enamelling is suitable for **indoor use**. The enamelling leaves the surface strong and smooth and secures a long life and easy cleaning.

The used powder is epoxy-free to stress our environment as little as possible.

Our standard colours consist of following RAL numbers:

**5007 brilliant blue**

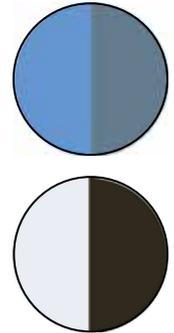
**7011 iron grey**

Our extraction arms are however delivered in following RAL numbers:

**9965 (no RAL-no.) - similar to RAL 9006 white aluminium**

**9005 black**

Other colours on some units are available against additional payment, depending on colour choice. Please, contact the sales department at Gram Clean Air A/S.



**Design in galvanized material:**

For products for outdoor use/corrosive atmosphere it is recommended that units are made specially soldered in galvanized material. Hereby a strong corrosion-resistant underlying layer for the following powder enamelling is achieved. Powder enamelling is done only for optical reasons.

In connection with the manufacturing of these units Gram Clean Air A/S uses MIG-brazing. MIG-brazing is well suited for the joining of zinc-coated plates. Owing to low heat input, the plate does not bend, and the zinc coating remains undamaged. CuSI3-filler material wire is used to ensure that the welded joint itself is protected (98% Cu).



**Sound enclosures:**

Another way to protect the components is to use Gram sound enclosures, since these are made in aluzinc plates which are very corrosion-resistant.

Sound enclosures are standard available for Gram fans in the version type VB, but are also manufactured according to job to e.g. filter units.

Prices can be found in Gram price list under respectively group 3 for fans and group 4 for filter units.



**Noise:**

In connection with the fan installation you must pay attention to the fact that you thereby add a substantial noise source to either room or area, where the fan is placed.

For Gram fans standard performance curves are available that state fan noise level for given air volume measured in dB(A) at 1 meter distance. This noise level can however not be held directly up against possible noise limits for the mounting place, since surroundings also have an influence on the final noise level.

Influence on surroundings is primarily in form of reflections from walls, ceiling and partly the floor. Reflection causes noise level to be doubled corresponding with an increase of the complete noise level with 3 dB(A) per reflection.

