Technical Data Sheet

Iron Filler Powder

Characteristics
• Grey metallic powder (Iron Powder).
• Good weight to volume ratio

Applications
• Suitable for all cold-cast metal applications.
• Excellent, inexpensive filler for adding weight to castings, helping to create the feel of an authentic metal casting.
• May be used to give a casting a black-aged finish, or oxidised to give a 'rusty' effect.

Particle Data
< 45 Microns = 70%
Apparent Density : Approx 2.8 g/cm³

Chemical Analysis
FE – Total : 93%
FE – Metallic : 87%

Processing
Iron Filler powder may be used by simply dusting the mould or by adding the material to the casting resin to form a gel-coat on the mould. (See Iron Filler Powder Data Sheet). Generally metal powders are added at user discretion, every project is different and can be added to each specific application to give the desired metal effect.
As an approximate guide the minimum ratio would be a 1:1 mix for the metal powders, for every 100g of metal powder to every 100g of resin, depending on casting requirements this could be increased up to 4 parts metal powder to 1 part resin by weight. The examples given are to be used only as a guide and user must always perform small tests to ensure a ratio that suits their requirements. The ratio will also be altered depending on the resin being used.

When iron powder is to be merely used as a filler for extra weight the iron filler powder should be added to the resin, after the mould has been dusted or gel-coated with the appropriate metal powder. A ratio of at least 60:40 iron powder to resin should be used.

Storage
Store in tightly closed containers in a cool dry environment. Store away from combustible materials or oxidising agents.

Safety Information
Comprehensive instructions are given in the corresponding material safety data sheets.

MB Fibreglass believes that the information above is an accurate description of the typical characteristics and/or uses of the product or products, but it is your responsibility to thoroughly test the product in its specific application to determine performance, efficacy and safety.