BLAST MEDIA DATA SHEET

GUYSON SAFTIGRIT BROWN

(for use with all compressed air blast systems - dry and wet)

General

Guyson Brown Saftigrit is a premium quality brown alumina manufactured by reduction melting from high grade bauxite in an electric arc furnace using the block method. It is also referred to as Brown Bauxilite, Brown Fused Alumina and Brown Corundum.

It is an extremely durable and tough alumina with low metallic iron content and is ideal for applications where fast cutting and consistent quality is required. Additionally, this is the most economic virgin alumina available.

Typical Applications

Cleaning, Removing Corrosion and Other Surface Deposits, Roughening, Etching and Decorating

High quality, durable abrasive with low metallic iron content. With a fast cutting, tough, long lasting character and consistent quality, this abrasive is specified by leading aircraft and automotive component manufacturers.

Chemical composition

Brown fused alumina

Al_2O_3	:	95.65%
TiO_2	:	2.42%
SiO_2	:	0.92%
Fe_2O_3	:	0.12%
CaO + MgO	:	0.57%

Physical data

Shape	:	Angular
Colour	:	Brown
Specific gravity	:	3.94
Bulk density	:	1.5 – 2.1 g/cc (dependent upon grain size)
Hardness	:	Mohs 9

EINECS reference 215-691-6
CAS No 1344-28-1

Sizes Available

FEPA Spot Sizes*	:	8, 10, 12, 14, 16,20, 24, 30, 36, 46, 54, 60, 70, 80, 90, 100, 120, 150, 180, 220
Range Sizes	:	24/30, 30/40, 40/60, 60/80, 80/120, 120/220, 180/220, 220/280
Pack Size	:	25 kg bag

*Not all sizes available from stock

See Guyson MSDS reference 34 for all other details

All Guyson Brown Saftigrit can be supplied with certification to Rolls Royce CSS12 aerospace standard should this be required. This is one of the highest conformity standards in the world and many other aerospace standards follow its lead.

To achieve compliance, Brown Saftigrit has to pass rigorous batch tests that ensure its physical and chemical properties remain consistent.

Brown Saftigrit is a non-toxic and non-hazardous product that contains no free silica. No special disposal precautions are required for the product once it has been used for blast finishing purposes. However, contamination from a specific application or process must also be considered prior to disposal.

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