

CASE STUDY

↳ Assarel Copper Mine (BG)



↳ Steel specialists
Abrasive, one of Europe's largest specialist steel processors and stockholders of abrasion resistant and high yield steel, are supplying formed refuse truck hopper parts to both OEM and maintenance markets.

BIG SCREEN SUCCESS IN THE ABRASION MARKET

"IMS are able to offer a wide range of products to suit the abrasion market. Screens can be produced in different grades of steel to customer specifications, ideally conditioned to the type of application they are required for."

↳ Sheridan Mattock,
Abrasive UK Sales Manager

Not just a steel stock holder, Abrasive UK offer in-house processing facilities to provide finished components to their customers.

Dependent upon the application, Abrasive UK can advise on the correct material specification and fit the design according to the use. Over the last 12 months, Abrasive UK have continued to penetrate the market for punched, high definition and laser perforated screens in abrasion and corrosion resistant grade steels. The manufactured components are used within the rubber, glass, plastic and aggregate industries.

A comprehensive stock profile of abrasion and wear resistant steels, full in-house design facilities and on-site processing facilities all coupled with an experienced engineering team allow Abrasive to react quickly to customer demands, reducing customers plant and machinery downtime.

The use of SolidWorks software also allows Abrasive UK to design packages of liner plates in applications throughout the industrial sectors that require abrasion resistant steel and high yield components, ensuring an end product, engineered as designed.

With over 100 years of steel industry knowledge and experience, IMS UK can advise on the best solutions for each tailor wear related problem providing cost effective solutions for all applications.

↳ **Key Technical Data, CREUSABRO 4800**

Wear resistant steel that combines resistance to abrasion together with a high level of toughness.

Applications	Cement plants, quarry, mining and earthy moving equipment, block moulds, screen, steel production and recycling plants and vehicles.							
Hardness	340 HB-400 HB as supplied							
Composition	C	S	P	Mn	Ni	Cr	Mo	Ti
	≤ 0.20	≤ 0.05	≤ 0.018	≤ 1.60	≤ 0.20	≤ 1.90	≤ 0.40	≤ 0.20
Thickness	3-40mm							

contact Abrasive UK for full technical data sheet.

↳ **Benefits, CREUSABRO 4800**

- Excellent wear resistant properties
- Optimum combinatio of wear resistance to abrasion together with a high level of toughness
- Ability to work harden offers an increased wearlife of up to 50 % versus conventional 400 HB materials
- Suitable for applications in steel component production for recycling plants and vehicles

↳ **Processing Facilities**

- CAD/CAM Profiling
- Perforating
- Plasma Profiling
- Forming
- Laser Profiling
- Drilling and Countersinking
- Oxy-gas Profiling
- Beveling
- DXF Compatible
- Welded Fabrications

↳ **Contact**

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