

## ABRASION RESISTANT AND HIGH YIELD STRENGTH STEEL PROFILED COMPONENTS

### CASE STUDY: PERFORATED PLATE

“ We are able to offer customers a wide choice of products to suit the abrasion market. Screens can now be produced in different grades of steel, designed to customer specification and ideally conditioned to the type of application they require them for. ”

Nick Taylor |

Business Development Manager



Steel specialists Abraservice UK, one of Europe's largest specialist steel processors and stockholders of abrasion resistant and high yield steel, have increased their comprehensive range of abrasion resistant and high yield steel profiled components.

Abraservice' broad range of punched, hi-definition and laser perforated plates in abrasion and corrosion resistant grades offer increased wear life, resistance to aggressive wear and include hole geometry to facilitate anti-clogging – all advantageous qualities over their rubber and synthetic counterparts.

Perforated plates and screens are designed and manufactured to fit all types of vibrating equipment and are readily used in quarries, mines, steel manufacture, coke plants, metals recycling, tyre recycling, household waste and wood and recycling industries.

Abraservice UK offer one of the largest abrasion resistant stock range availabilities in Europe, with grades including: **ROC 250**, **CR 321**, **ABRO 400**, **ABRO 500**, **CREUSABRO® 4800®**, **CREUSABRO® 8000®** and **ULTRACLAD** - weld overlay material.

In addition to the steels stocked for the perforated plates range, Abraservice UK also supply a number of other specialist grades, and offer processing facilities to provide finished components for customers. Furthermore, Abraservice UK can offer full technical and material advice and support to provide 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 - 400 HB as supplied
Composition	C≤0.20 / S≤0.05 / P≤0.018 / Mn≤1.60 / Ni≤0.20 / Cr≤1.90 / Mo≤0.40 / Ti≤0.20
Thickness Range (mm)	3 - 40

#### CREUSABRO® 4800® BENEFITS

- Excellent wear resistant properties
- Optimum combination 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
- Bevelling
- DXF Compatible
- Welded Fabrications

contact us for full technical data sheet.