

C.D.S. CONSULTANTS
BWLCH TOCYN FARMHOUSE
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NORTH WALES
LL53 7BN

C.D.S. CONSULTANTS. OMNI TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

C.D.S. OMNI

A synthetic mineral blasting abrasive manufactured by granulation in water of the slag arising from blast furnace processes.

<u>CHEMICAL ANALYSIS</u>	<u>ELEMENT</u>	<u>%</u>
	Silica as SiO₂	40-43
	Iron as Fe₂O₃	2-3
	Aluminium as AL₂O₃	10-12
	Calcium as CaO	40-43
	Magnesium as MgO	1-3
	Manganese as MnO	1-2
	Free Silica	<1

WATER SOLUBLE SALTS

Conductivity of aqueous extract <25 mS ⁻¹

MECHANICAL ANALYSIS

Hardness	6-7 Mohs
Bulk Density	1.6 - kg dm⁻³
Grain shape	Angular
Colour	Brown

GRADES AVAILABLE

<u>Grade</u>	<u>Size Range mm</u>	<u>Surface profile achievable On mild steel (BS 7079)</u>
Fine	0.20 -1.0	Fine
Medium	0.20 -2.50	medium
Coarse	1.00 -2.50	Coarse

ABRASIVE PERFORMANCE

All grades are capable of achieving a cleanliness standard of Sa3. The coverage achieved will be dependent on factors such as pressure at the nozzle, nozzle diameter, grit valve setting and the skill of the operator.

APPLICATIONS

C.D.S. Omni is a multi – purpose expendable abrasive, which may be used for steel preparation or building cleaning. C.D.S. Omni is an ideal alternative to Aluminium Silicate abrasives for surface preparation of steel surfaces prior to metal spraying. In use, the abrasive breaks down to form a light - coloured inert dust. On steel, the work rate and coverage are lower than e quivalent grades of copper slag. C.D.S. Omni is ideally suited for applications where a light coloured abrasive may be aesthetically or environmentally more acceptable.

INDUSTRY STANDARDS

C.D.S. Omni abrasives are manufactured to conform to ISO 11 126 -6 and BS7079 (1989). Please note that our size ranges may vary from sizes quoted in the above standards.

PACKAGING

C.D.S. Omni is packed in 50 kg sacks and shrink -wrapped on pallets, 1.5 tonnes per pallet. Pallets are non – returnable. Alternative pac kaging is available upon request and includes 1.5 tonne bulk bags.

AVAILABILITY

C.D.S. Omni is available ex -stock and deliveries 0f 20/24 tonnes can normally be made to most parts of the country within 24 hours.

HEALTH AND SAFETY

C.D.S. Omni abrasives, as supplied, do not present any hazard to health. Under the control of Substances Hazardous to Health Regulations 1988; Statutory Instrument no 1657, the user is required to ensure that personal exposure to the dust generated during blasting operations is limited to 10mg m⁻³ 8-hour TWA total inhalable dust or 5mg m⁻³ 8-hour TWA total respirable dust. Some coatings may contain components that have their own assigned occupational exposure limits, all relevant limits should be complied with.

FIRST AID

Eye contact: irrigate with sterile eye wash

Skin contact: wash with water

Ingestion: nontoxic

HANDLING AND STORAGE

The pallets supplied are suitable for handling using fork -lift trucks. The pallets should not be handled using strops slung from a crane. The pallets should not be stacked more than two high. The material should be kept dry.

DISPOSAL

Spent abrasive must be disposed of in accordance with the Environmental Protection Act 1990 and the Control of Pollution Act 1974. While there are no special requirements for the disposal of the material as supplied, the spent abrasive will contain other materials, derived from the substrate being cleaned, which may be classed as Notifiable or Special under the above legislation.

FURTHER INFORMATION

Specific enquiries relating to abrasive selection and application or health and safety matters may be directed to:

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