One Stop Local Supply Source
Global Products - Local Service
PanAbrasives

PanaCut™ Granite Cutting Grit

Product Description and Technical Data:

PanaCut™ is a steel abrasive produced specifically to meet the requirements of stone cutting facilities utilising gang saws for the cutting of granite blocks into slabs. The abrasive is suspended in a slurry and is continuously fed between traversing saw blades and the granite block, thus abrading away the granite. The arduous requirements of this application render standard steel grit and chilled iron grit unsuitable for the application.

PanaCut™ is manufactured from cast steel shots crushed to granular grit form and subsequently tempered to a hardness unique to granite cutting applications. PanaCut™ is produced under a controlled manufacturing process to achieve a product of uniform hardness, density and microstructure; coupled with good toughness for durability. These unique characteristics provide superior blade down speeds and decreased abrasive consumption without affecting cut slab finish or quality.

PanaCut™ is available in all size ranges conforming to SAE and JIS specifications. Standard grade materials are formulated to meet the general requirements of a typical operation cutting a wide variety of blocks.

Customised special cutting grades (with unique hardness and/or size specifications and/or mixed with shots) are also available upon request.

Our customisation program allows our customers to have the best product for their process as each stone cutting factory has its own unique characteristics depending on the gang saw equipment, cutting speed and pressure, mix of granite blocks being cut etc.



PanaCut™
Granite Cutting Grit

PanaCut™ Abrasive Properties:

Hardness (HRC)	63 - 67	Micro Structure	> 85% Martensite
Shape	Angular	Total Carbon %	0.8 - 1.2
Bulk Density (kg/m³)	3700	Silicon %	0.4 - 1.2
Particle S.G.	7.6	Manganese %	0.5 - 1.2
Colour	Silvery Grey	Sulphur %	< 0.05
Size Standard	SAE and JIS	Phosphorus %	< 0.05



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PanaCut™ Available Sizes:

Grade	PC - 12H	PC - 11H	PC - 10H	PC - 7H	PC - 4H
Grade	PC - 12HS	PC - 11HS	PC - 10HS	PC - 7HS	PC - 4HS
Microns	710 - 1400	710 - 1400	425 - 1180	300 - 1000	180 - 710
Inch	0.027 - 0.055	0.027 - 0.055	0.016 - 0.046	0.011 - 0.039	0.007 - 0.027

Other sizes available upon request
PC-H designates grit only. PC-HS designates grit with shot addition, 2-15% depending on requirements.

PanaCut™ Packaging:

25kg Bags or Drums of 750kg/800kg	1 Tonne Pallet (40 x 25kg Bags) or Drums

PanaCut™ Ordering Information:

Stock Code	ASA-STCPC-XXX or XXXX
Key	XXX - Product Grade (e.g. 04H for PC-4H) XXXX - Product Grade (e.g. 12HS for PC-12HS)

