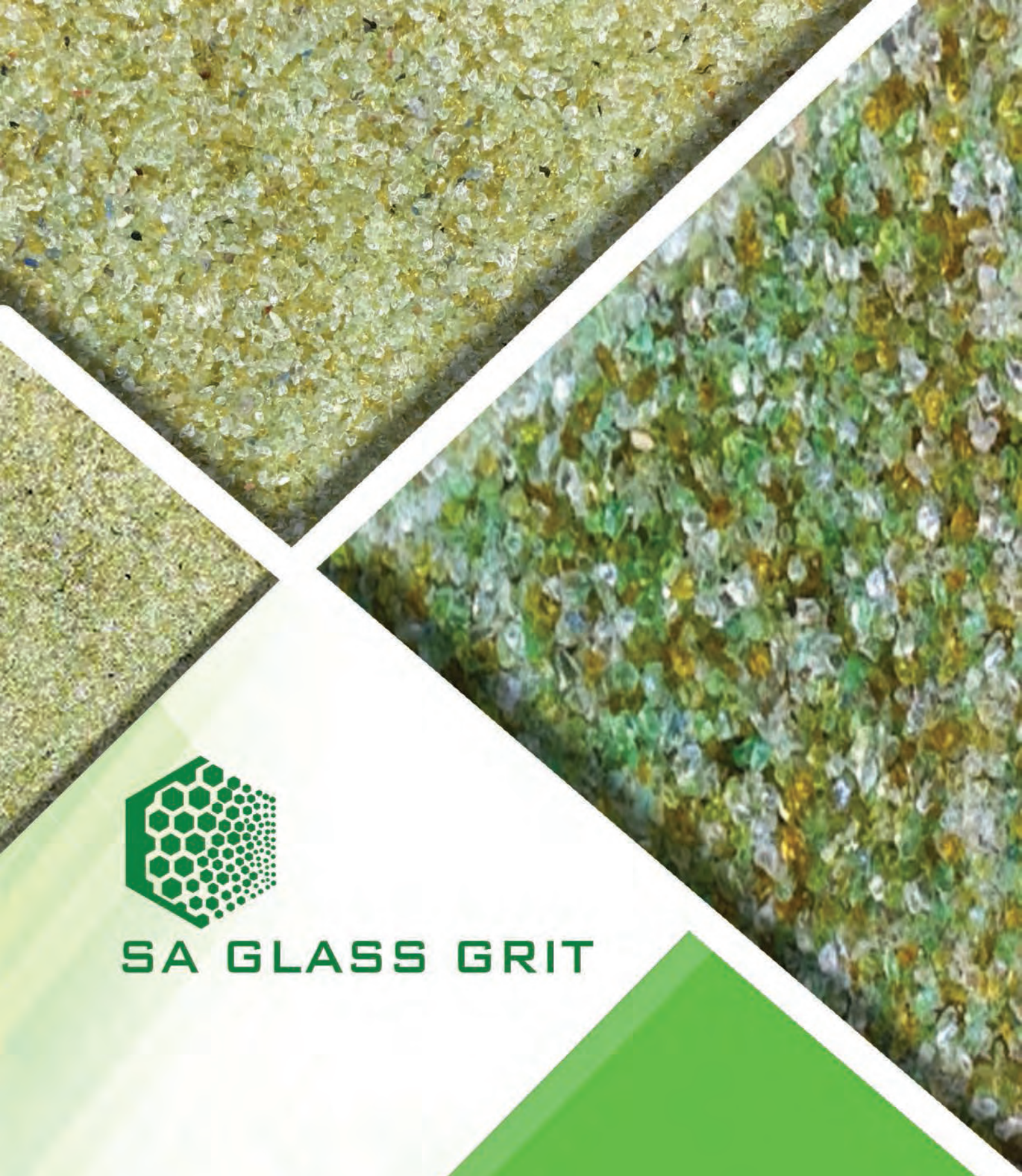


SA GLASS GRIT

Manufactured by:

SAUDI ABRASIVES
DAMMAM, K.S.A

SAUDI ABRASIVES

Pioneered by technocrats with 35 years in the Middle East anti-corrosion industry, the Saudi Abrasives factory located in Dammam, KSA started of in 2008 becoming the first and still the only steel abrasives manufacturing facility in the MENA region. Soon Saudi Abrasives started venturing into producing, sourcing and distributing other blast cleaning abrasives for the Middle East anti-corrosion industry such as SA Grit, Deccan Garnet, SA Glass Beads, and Indoblast Copper Slag, most of which holds approvals for maintenance of the region's oil and gas industry.

However, when the need for an environmentally conscious abrasive with limitless quantity, while meeting all the other requirements of the region's anti-corrosion industry soon became obvious, Saudi Abrasives again decided to be the first to take call to action, and thus the introduction of SA Glass Grit.

SA GLASS GRIT

SA Glass Grit is made from 100% recycled crush glass.

In today's day and age, recycling of anything at all is directly benefiting the world we live in. When we recycle, used materials are converted into new products, reducing the need to consume earth's limited natural resources. Recycling helps conserve important raw materials, and protects natural habitats for the future of the planet, and our generations to come.

Features of SA Glass Grit

Safe and Clean

- No detectable free silica (max 1%)
- No heavy metals
- Non-toxic and odorless
- Non-reactive and inert (can be used in and around water)
- Ideal for use in environmentally sensitive areas (no special disposal procedure)

Efficient and Economical

- Achieves excellent white metal finish post blasting (SA 3+)
- White dust during blasting (best in class visibility)
- Unique angular cubic shape (cuts coatings fast)
- No notable inclusions or embedments
- Light in weight thus increasing consumption efficiency and production
- Recycled glass is available locally in abundant supply (no supply issues)

Physical Properties			Chemical Analysis		
Sp.Gravity	:	2.5	Silicates	:	70%
Apparent Density	:	2500 kg/m^3	Aluminium oxide	:	5%
Hardness	:	7 MOH	Ferric oxide	:	0.7%
Particle Size	:	Angular	Magnesium oxide	:	2%
Colour	:	Mixed/Amber	Calcium oxide	:	8%
Chloride	:	<15ppm	Sodium oxide	:	12%

SA GLASS GRIT

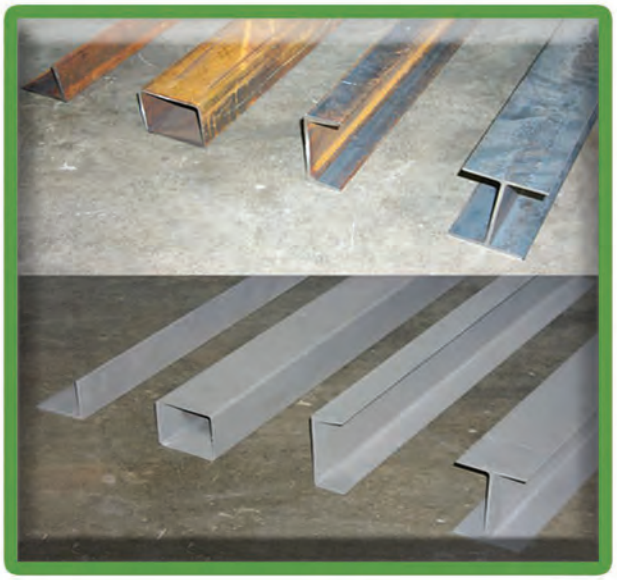
	TURBO	FINE	STANDARD	COARSE
Average Profile Range (µm)	55-75	65-85	75-95	90-130
Surface Finish	SA-3	SA-3	SA-3	SA-3

Typical Physical Properties:
Typical Mohs 5.5 - 7.0 Mohs
Average Microhardness 6 Mohs
Specific Gravity 2.53 g/cm3

STEEL FABRICATIONS:

SA Glass Grit will be a top most choice in steel fabrications restoration which remove rust and paint from delicate areas of pipes, plates, beams etc. and make fine profile that nutralize the need for sanding. Our crushed glass abrasive is inert with a stable pH value, It will give long lasting stable finish for the surface

SA Glass Grit made from 100% recycled glass, that are safe for the environment and humans. These are environmentally safe for use around water,and does not contain toxic metals.



** All pictures shown are for illustration purpose only. Actual result may vary.*

SA GLASS GRIT

SUPER FINE

FINE

MEDIUM

COARSE

TURBO	FINE	STANDARD	COARSE	
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SA-3	SA-3	SA-3	SA-3	Surface Finish

Typical Physical Properties:
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WATER TOWERS AND TANKS:

SA Glass Grit will be a top most choice for water towers and tanks for blasting. The outside surface and concrete base should be cleaned with our crushed glass abrasive it will give a stable white metal finish for the surface.

SA Glass Grit made from 100% recycled glass, that are safe for the environment and humans. These are environmentally safe for use around water,and does not contain toxic metals.

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ARCHITECTURAL PRECAST:

SA Glass Grit will be a top most choice for architectural concrete applications for a white finished and smooth surface and edges with polished molded concrete.

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SA GLASS GRIT

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AUTOMOTIVE:

SA Glass Grit will be a top most choice for automative restoration which remove rust and paint from delicate areas of antique cars, and fine profile that nutralize the need for sanding. Our crushed glass abrasive is inert with a stable pH, It is not necessary to wash the car with a vinegar solution post-blast.

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SA GLASS GRIT

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WOOD, BRICK & LOG HOME :

SA Glass Grit will be a top mostly used and effective stripes wood with less damage that gives a less profile for improved coating and adhesion. Also suites for perfect restoration profile for bricks.

SA Glass Grit made from 100% recycled glass, that are safe for the environment and humans. These are environmentally safe for use around water,and does not contain toxic metals.

** All pictures shown are for illustration purpose only. Actual result may vary.*

FREQUENTLY ASKED QUESTIONS ABOUT SA GLASS GRIT

1) Is SA Glass Grit crystalline silica free?

SA Glass Grit is recycled crushed glass which is chemically known as Amorphous Silica (contains less than 1% free silica). Free silica can be found in traditional blasting sand, and in some other sandblasting medias. Silica sand in its natural state in very fine particles has an "open" crystalline that has the capability to stick to lung tissues when respired, which can possibly lead to Silicosis. SA Glass Grit is amorphous, which is a "closed" crystalline structure, making it impossible to stick to human tissue lung. People exposed to amorphous dust, will have the body expel this dust just like any other normal dust.

2) Can you use traditional sandblasting equipment, hoses, and accessories with SA Glass Grit?

Yes, you can use all traditional sandblasting equipment and supplies without any changes at all. SA Glass Grit is a dry abrasive media similar in use to other traditionally available dry abrasive media.

3) How is SA Glass Grit better than traditionally available abrasives such as garnet, copper slag and coal slag?

SA Glass Grit is the superior alternative to traditional abrasives such as garnet, and various slags. It has most of the advantages of traditional abrasives, with less of the disadvantages. Garnet is a natural mineral abrasive, and just like other natural minerals, it has to be mined. Mining in general causes often irreversible damage to the mined environment with lose of vegetation, animals, and soil erosion. In many places, mining also causes displacement of people from the mined areas. Significant resources and energy is also used by mining which contributes to global warming. For this reason, in many countries mining for minerals like almandine garnet has been regulated and, in many cases, banned completely. This is in turn effects the supply of garnet, and increases its price. Moreover, there is no unlimited supply of garnet, and over time its consumption will exceed its natural formation. Slags on the other hand is a waste by-product of metal smelting. All slags have various heavy metals which is injurious to health. The dust generated by slag blasting adversely affects the environment around it, and is also banned in many countries.

4) SA Glass Grit is a crushed glass. Will it hurt my skin?

SA Glass Grit is an environmentally friendly abrasive, which is inert and non-toxic. The crushed glass that it is made of manufactured in such a way that it is safe to touch, and it will not cut your skin. However just like any other abrasive, it is advisable to wash your hands after contact.

5) Is SA Glass Grit dusty when blasting?

The finer sizes of SA Glass Grit can seem more dusty than its coarser sizes. However all abrasive blasting generates dust, and blasting with SA Glass Grit generates a translucent/ white dust which offers best in class visibility to the blaster when blasting.

6) Is there any special disposals required with SA Glass Grit?

The disposal requirements of spent abrasives have a lot to do with what substrate or coating you are blasting, and if the residues of the substrate or coating needs special disposals. In most cases no special handling of the spent SA Glass Grit abrasive is required. SA Glass Grit is environmentally inert and usually can be left on site. However, if required to be removed from site, you can dispose of it regularly like any other non-toxic or non-hazardous waste.