

# SYNTHETIC DIAMOND GRIT



## Engineered To Meet Your Needs.

Shannon Abrasives synthetic grit solutions include a Drilling series, a Sawing series and a Grinding series as well as Lapping and Polishing powders.

## Sawing Grit Series

The Shannon Abrasives Sawing Grit Series consists of eight product grades in sizes 25/35 US mesh to 60/80 US mesh, providing a full suite of solutions for a complete range of sawing and coring applications in Stone and Construction. The many uses include cutting and coring of steel reinforced concrete, slabbing of marble and granite blocks to the surface planing and preparation of concrete and stone materials.



### GRADES

**SASG 95** – Ultra high-strength, high-thermal stability for the most demanding applications and aggressive sintering regimes in complex bond systems.

**SASG 90** – High-strength, high-thermal stability for demanding applications and cobalt or iron-based bond systems.

**SASG 85** – High-strength, moderate-thermal stability for class 3 and 4 granites and non-reinforced concrete products for cobalt and bronze-based bond systems.

**SASG 80** – Moderate-strength, moderate-thermal stability for class 4 granite and non-reinforced concrete products for cobalt and bronze-based bond systems.

**SASG 70** – Moderate-strength, moderate-thermal stability for marble class 5 granites and non-reinforced concrete materials.

**SASG 60** – Medium-strength, medium-thermal stability suitable for low-temperature bond systems and processing of marble and aggregate concrete materials.

**SASG 50** – Medium-strength, low-thermal stability for low-temperature bond systems including electroplating for the processing of a range of materials from marble to sandstone and low-aggregate concretes.

**SASG 40** – Low-strength, low-thermal stability suitable for low-temperature bonds including electroplating and the processing of a range of friable stone and concrete materials with low-power tools.

GRADES

US Mesh Size	Stones per Carat	Concentration					Mean size um
		10	20	30	40	50	
25/35	380	167	334	502	669	836	712
30/40	660	290	581	871	1162	1452	602
35/45	1080	475	950	1426	1901	2376	502
40/50	1880	827	1654	2482	3309	4136	427
40/60	2950	1298	2596	3894	5192	6490	357
50/60	3600	1584	3168	4752	6336	7920	301
50/70	4750	2090	4180	6270	8360	10450	276
60/70	5860	2578	5157	7735	10314	12892	251
60/70	7600	3344	6688	10032	13376	16720	232
70/80	9375	4125	8250	12375	16500	20625	213

SPECIFICATIONS

All grades available in sizes 25/35 to 70/80 US mesh.  
Single sizes also available on request.

FEATURES

Both T and TiC coatings available as standard.

QUALITY

Ensuring the highest quality of synthetic diamond grit is paramount in meeting the rigorous demands of various industries, and our comprehensive quality testing procedures leave no room for compromise. One of the critical tests we conduct is the Ti TTI strength test, which assesses the grit's ability to withstand extreme pressures and abrasion. Additionally, a meticulous physical inspection is carried out to check for any imperfections or irregularities. To guarantee uniformity and

consistency, we employ automated shape sorting, which meticulously categorizes the diamond grit based on predefined criteria. Furthermore, the diamond grit is precisely sized into US mesh sizes, ensuring it aligns perfectly with your specific requirements. Our commitment to rigorous quality testing ensures that our synthetic diamond grit is of the highest standard, enabling you to achieve exceptional results in your applications, every time.

Talk To Our Experts About Your Industrial Diamond Needs



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