

Saint-Gobain



BEST IN CLASS PERFORMANCE

Our NEW Spartan™ Blasting Media is a lighter and stronger product providing **increased productivity and reduced consumption** compared to other leading blasting media. Heavier is not always better, as evidenced by Spartan's performance metrics - 3-5x less breakdown loss than Garnet blasting media. Additionally, Spartan's uniform particle size improves production rates with more consistent coverage and extremely clean surface finishing.

Increased Recyclability

Recycling of blasting media allows for **increased cost saving** and considerable **reduction in waste**. Spartan has 3-5x the recyclability of other leading blasting media which significantly reduces overall cost and increases productivity.

Minimal Health and Safety Risks

Spartan Blasting Media is **low dusting** and contains **0% Free Silica**. This ensures safer work conditions, improved operator visibility, reduced cleanup costs and minimal environmental risks.

Spartan Blasting Media comes in a variety of grit sizes to serve any industrial application.



LOW DUSTING

0%

FREE SILICA

- SAFER WORK CONDITIONS
- IMPROVED OPERATOR VISIBILITY
- REDUCED CLEANUP COSTS
- LESS DISRUPTIONS

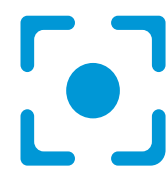


COST SAVINGS

3-5x

LESS BREAKDOWN LOSS THAN GARNET

- INCREASED RECYCLABILITY
- USE LESS MATERIAL PER PROJECT
- OUTLAST THE COMPETITION



BETTER PERFORMANCE

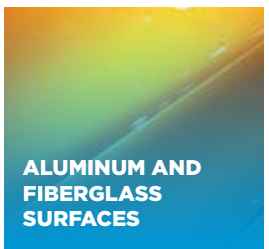
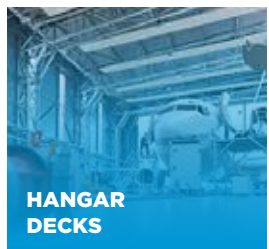
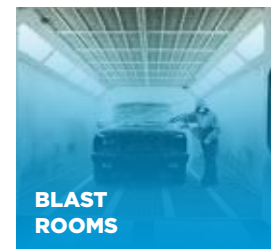
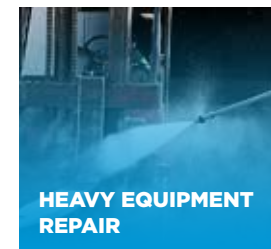
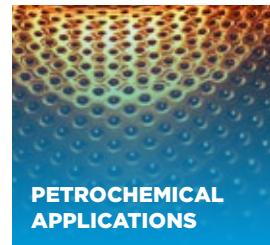
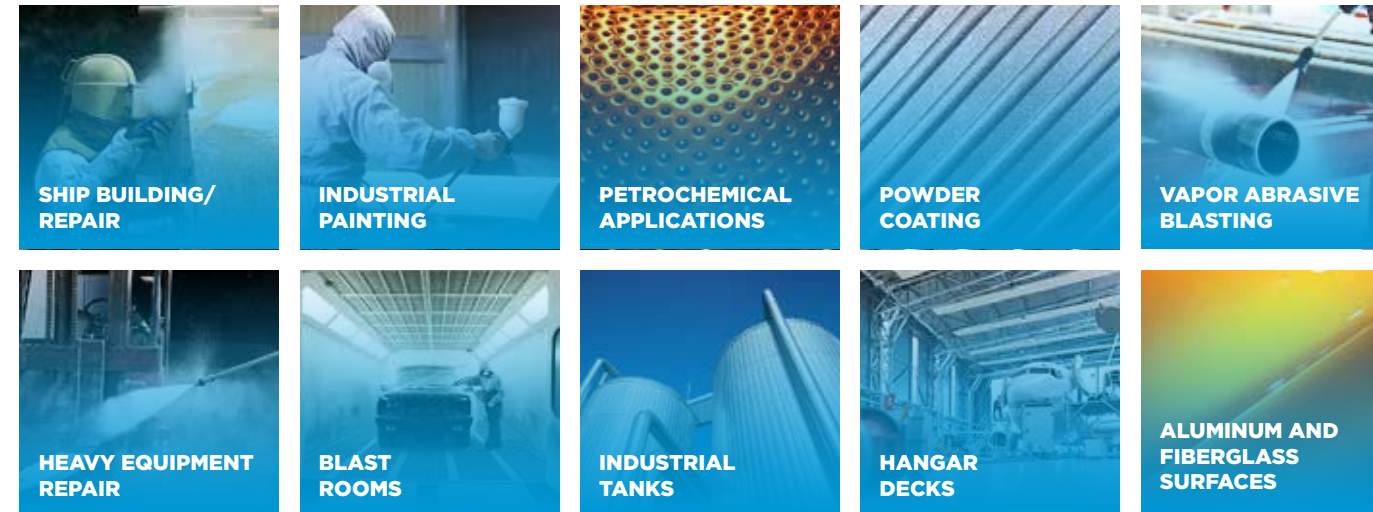
3.2

SPECIFIC GRAVITY FOR A GIVEN VOLUME

- MORE PRODUCT, BETTER PERFORMANCE
- SPARTAN 3.2, STAUROLITE 3.7, GARNET 4.0
- LIGHTER, STRONGER GRAINS

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SPARTAN™ BLASTING MEDIA BEST IN CLASS PERFORMANCE



Specialty Grains and Powders

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Disclaimer

Seller makes no warranty, expressed or implied, concerning the product or the merchantability or fitness thereof for any purpose, except that the product conforms to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall seller be liable for incidental or consequential damages, whether buyer's claim is based on contract, breach of warranty, negligence or otherwise.

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Saint-Gobain Spartan™ BLASTING MEDIA



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APPLICATIONS

Ship building/repair, industrial painting, petrochemical, powder coating, vapor abrasive blasting, heavy equipment repair, blast rooms, tanks, hangar decks, aluminum & fiberglass surfaces



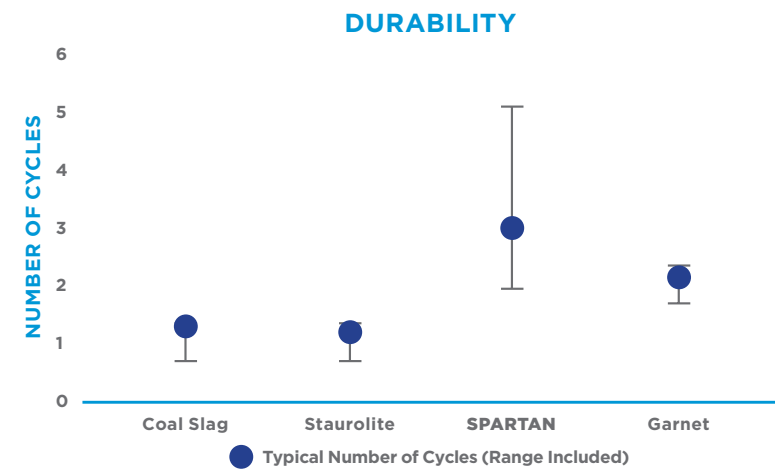
PROPERTIES

- Shape:** Sub-angular
- Color:** Dark Brown to Black
- Hardness:** 7.0 Mohs
- Bulk Density:** 1.55g/cm³ (96.76lb/ft³)
- Specific Gravity:** 3.2 g/cm³
- Free Silica:** 0%

AVAILABLE SIZES

Spherical: 20/40, 30/50, 40/80

Angular: 30/60, 16, 20, 24, 30, 36, 46, 54, 60, 70, 80



PRODUCT SPECIFICATIONS

SPHERICAL

Particle Size Distribution

| Screen Size (Tyler/US) | Opening Size (Micron/Inch) | Percent by Weight | | |
|------------------------|----------------------------|-------------------|------------|------------|
| | | Spar-20/40 | Spar-30/50 | Spar-40/80 |
| 20/20 | 850/.0331 | 6.2 | | |
| 24/25 | 710/.0278 | 51 | | |
| 28/30 | 600/.0234 | 41 | 2 | |
| 32/35 | 500/.0197 | 1.6 | 55 | |
| 35/40 | 425/.0165 | 0.2 | 39 | 5 |
| 42/45 | 355/.0139 | | 3.5 | 36 |
| 48/50 | 300/.0117 | | 0.5 | 30 |
| 60/60 | 250/.0098 | | | 21 |
| 65/70 | 212/.0083 | | | 7 |
| 80/80 | 180/.0070 | | | 1 |

* Particle size distributions are typical, variations exist.

ANGULAR

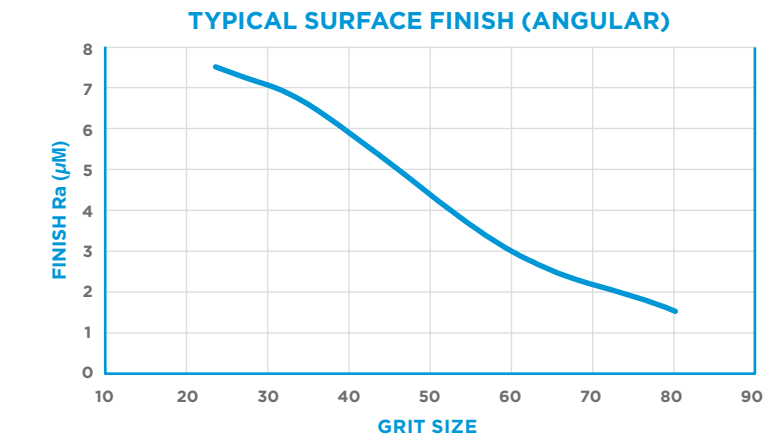
Particle Size Distribution

| Grit No. | US Std. | Inches | | | Microns | | |
|----------|---------|--------|---------|--------|---------|---------|------|
| | | Min | Average | Max | Min | Average | Max |
| Spar-16 | 14 | 0.031 | 0.043 | 0.065 | 787 | 1092 | 1650 |
| Spar-20 | 16 | 0.026 | 0.037 | 0.053 | 660 | 940 | 1346 |
| Spar-24 | 20 | 0.018 | 0.027 | 0.043 | 487 | 686 | 1092 |
| Spar-30 | 25 | 0.014 | 0.022 | 0.032 | 356 | 559 | 813 |
| Spar-36 | 30 | 0.012 | 0.019 | 0.030 | 305 | 483 | 762 |
| Spar-46 | 40 | 0.0095 | 0.014 | 0.022 | 241 | 356 | 559 |
| Spar-54 | 45 | 0.0008 | 0.012 | 0.0195 | 203 | 305 | 495 |
| Spar-60 | 50 | 0.0065 | 0.010 | 0.016 | 165 | 254 | 406 |
| Spar-70 | 60 | 0.005 | 0.008 | 0.013 | 127 | 203 | 330 |
| Spar-80 | 70 | 0.004 | 0.0065 | 0.0115 | 102 | 165 | 292 |

* Particle size distributions are typical, variations exist.



TYPICAL PROFILES



Testing conducted using 90 psi and 1018 carbon steel. Angular media only.

PACKAGING

Products are available in **35 lb. boxes** and **2,200 lb. bulk bags**.



PART NUMBERS

SPHERICAL

Part Numbers

| Product | Part Number |
|------------|-------------|
| Spar-20/40 | 1710-204 |
| Spar-30/50 | 1710-305 |
| Spar-40/80 | 1710-408 |

ANGULAR

Part Numbers

| Product | Part Number |
|------------|-------------|
| Spar-30/60 | 1760-306 |
| Spar-16 | 1760-016 |
| Spar-20 | 1760-020 |
| Spar-24 | 1760-024 |
| Spar-30 | 1760-030 |
| Spar-36 | 1760-036 |
| Spar-46 | 1760-046 |
| Spar-54 | 1760-054 |
| Spar-60 | 1760-060 |
| Spar-70 | 1760-070 |
| Spar-80 | 1760-080 |

For product questions, sales and additional information: ceramicmaterials@saint-gobain.com