

Zirblast®

TECHNICAL DATA SHEET

- Ceramic beads specifically suited to many impact surface treatments.
- High recyclability, efficient whether used in wheel-blast or air-blast (dry or wet) systems.

2012/04

TYPICAL CHEMICAL ANALYSIS

ZrO ₂	60 to 70 %
SiO ₂	28 to 33 %
Al ₂ O ₃	< 10 %

Chemical analysis carried out by X-Ray fluorescence on melting sample

CRYSTAL STRUCTURE

Zirconia	68 %
Vitreous phase	32 %

Typical values

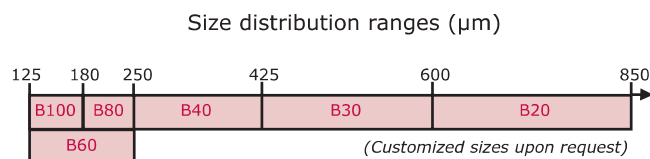
PHYSICAL PROPERTIES

Specific gravity	3.85 g/cm ³
Bulk density	2.30 kg/l
Vickers hardness (Equivalent HRC 50 at 65)*	700 HV1

* Statistical measurement

- White color and smooth surface
- High toughness, but not very aggressive with equipment and tools
- Chemically inert, non contaminating for treated parts
- Low dust production

DESIGNATION AND AVAILABLE SIZES



INDUSTRY STANDARD _____ NF L 06-824

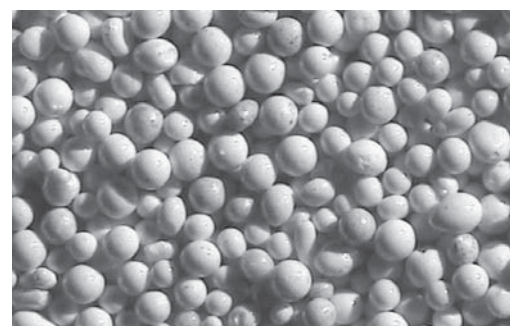
SPECIFICATION _____ DS SP BE 01

SAFETY DATA SHEET _____ DS MS BE 11

PACKAGING

25 kg plastic jerry can

500 kg or 1 ton big-bag



Zirblast B60 being used for steel descaling

MAIN APPLICATIONS

- Tool cleaning
- Stainless steel and light alloy finishing
- Deburring
- Difficult descaling
- Paint or coating stripping
- Surface or galvanization etching

For higher performance applications, Zirshot is recommended (for example shot peening).

Saint-Gobain ZirPro is the expert in zirconia-based materials for industrial applications. From our global network of manufacturing, commercial and research facilities, we serve leading customers through long-term and trust-based relationships.

SEPR Saint-Gobain ZirPro
 B.P. 60025 - 84131 Le Pontet Cedex
 France

Tel.: +33 (0)4 90 32 70 71
 Fax: +33 (0)4 90 32 70 61
 e-mail: zirpro@saint-gobain.com

<http://www.zirpro.com>



Zirshot®

TECHNICAL DATA SHEET

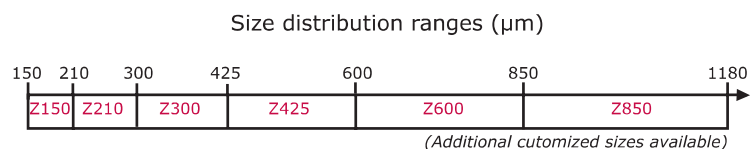
- Ceramic beads specifically suited to high performance applications.
- High recyclability, efficient whether used in wheel-blast or air-blast (dry or wet) systems.

TYPICAL CHEMICAL ANALYSIS

ZrO ₂	60 to 70 %
SiO ₂	28 to 33 %
Al ₂ O ₃	< 10 %

Chemical analysis carried out by X-Ray fluorescence on melting sample

DESIGNATION AND AVAILABLE SIZES



CRYSTAL STRUCTURE

Zirconia	68 %
Vitreous phase	32 %

Typical values

PHYSICAL PROPERTIES

Specific gravity	3.85 g/cm ³
Bulk density	2.30 kg/l
Vickers hardness (Equivalent HRC 50 at 65)*	700 HV1

* Statistical measurement

- White color, almost spherical and smooth surface
- High toughness, but not very aggressive with equipment and tools
- Chemically inert, non contaminating for treated parts
- Low dust production

INDUSTRY STANDARDS

- NF L 06-831
- SAE J 1830
- AMS 2431 et 2431/7
- MIL-S-13165C (cancelled)

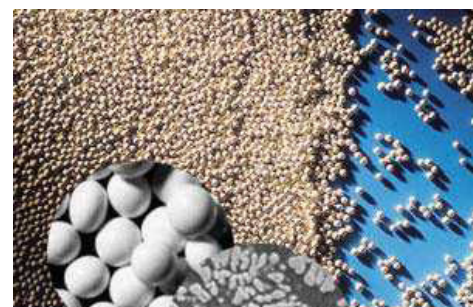
Product approved by main aeronautics companies (please consult us).

SPECIFICATION _____ DS SP BD 11

SAFETY DATA SHEET _____ DS MS BD 11

PACKAGING

25 kg jerrycan, 50 kg and above palletized



Zirshot Z850

Structure:
Zirshot x 5000
1 µm —

MAIN APPLICATIONS

- Shot peening to improve fatigue strength, corrosion, pitting wear, micro-fretting
- Peen-forming
- Peen-straightening

MAIN USERS

- Aeronautics
- Automotive
- Nuclear, chemical equipments
- Medical prosthesis

Saint-Gobain ZirPro is the expert in zirconia-based materials for industrial applications. From our global network of manufacturing, commercial and research facilities, we serve leading customers through long-term and trust-based relationships.

SEPR Saint-Gobain ZirPro
 B.P. 60025 - 84131 Le Pontet Cedex
 France

Tel.: +33 (0)4 90 32 70 71
 Fax: +33 (0)4 90 32 70 61
 e-mail: zirpro@saint-gobain.com

<http://www.zirpro.com>