

## DURA-CRETE®

DURA-CRETE® is a unique product offering exceptional resistance to wear and tangential abrasion.

Specially designed for the most demanding industrial environments, it effectively protects surfaces against wear from friction and corrosion.

It withstands very severe abrasion up to temperatures of 1200°C

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Main applications Cyclones, separators, hoppers

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Hardness Abrasion resistance (ASTM C 704): 10 cm<sup>3</sup>

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Mechanical properties  
Typical value Density: 2.5 (at 110°C)  
Compressive strength (MPa): >150 MPa (at 1000°C)  
Permanent dimensional change (%): -0.3% (at 1000°C)  
Thermal conductivity (W/m/K): 2.2 (at 1000°C)

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Chemical composition  
(% by mass after calcination)

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	CaO	Fe <sub>2</sub> O <sub>3</sub>
84	8	1.8	1.1

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Packaging Unit paper bags weighing 25 kg each.  
Store materials away from excessive humidity and heat.  
Only use materials in their original sealed packaging.  
Shelf life: 6 months for properly stored materials.  
Other packaging options available upon request.

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Advantages Superior durability compared to other types of concrete and abrasion-resistant steels  
High abrasion resistance  
High temperature performance

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Implementation DURA-CRETE® has excellent troweling ability on expanded metal or casting in formwork.

- Mix dry for 1 minute in a mechanical mixer.
- Add water (4 to 5%).

dry mass	4%	4.5%	5%
5 Kg	0.2 L	0.2 L	0.3 L
10 Kg	0.4 L	0.5 L	0.5 L
15 Kg	0.6 L	0.7 L	0.8 L
20 Kg	0.8 L	0.9 L	1.0 L
1 bag = 25 Kg	1 L	1.1 L	1.3 L
2 bags= 50 Kg	2 L	2.3 L	2.5 L
3 bags = 75 Kg	3 L	3.4 L	3.8 L
4 bags = 100 Kg	4 L	4.5 L	5.0 L

- Mix for 5 minutes.
- Applicable on flat or curved surfaces with expanded metal; use a plate or vibrating needles to remove remaining porosity.
- Formwork removal: 12 to 24 hours depending on the environment. Drying may be necessary if the concrete is used in an installation operating above 350°C.

For any questions, please contact us at: [info@wa-produr.com](mailto:info@wa-produr.com).