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## BETOCARB HP - PT

### PRODUCTION SITE:

**PERTH**, Canada  
(certified ISO 9001, ISO 14001, ISO 45001)  
Product meets ASTM C1797

### SHORT DESCRIPTION OF THE PRODUCT:

Betocarb HP is a mineral plasticizer produced from selected high purity raw material with consistent fineness. Dedicated to SCC, it can be used as a stability agent to prevent bleeding and segregation. Due to its high affinity with chemicals Betocarb HP contributes to optimize the necessary higher fine content. Betocarb HP can offer cost efficiency by keeping the local minimum amount of cement constant while moving from normal concrete to fluid to SCC. Betocarb HP can partially replace SCMs and viscosity modifiers.

### CHEMICAL ANALYSIS:

Total Carbonates	96	%
Total organic carbon (TOC)	0.06	%
Methylene blue value	0.3	mg/g

### SPECIFIC PRODUCT DATA:

<sup>1</sup> Malvern Mastersizer

Fineness:		
• Particles < 50 mesh (Omya GLS 021)	100	%
• Particles < 100 mesh (Omya GLS 021)	100	%
• Particles < 200 mesh (Omya GLS 021)	99.9	%
• Particles < 325 mesh (Omya GLS 021)	97	%
• Median Particle Size (d50%) (Omya GLS 010) <sup>1</sup>	12	µm
• Top cut (d98%) (Omya GLS 010) <sup>1</sup>	40	µm

Optical Properties:		
Brightness Ry (Omya GLS 035)	93	%

Moisture ex works (Omya GLS 006)	0.05	%
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### GENERAL PRODUCT DATA:

Specific gravity (ISO 787-10)	2.71	
Specific surface area (Omya GLS 067)	1.32	m <sup>2</sup> /g
Strength Activity Index (% of control @28 °C)	82	%
Water requirement (max. % mass of control)	100	%
Fineness	477	m <sup>2</sup> /kg
Loose bulk density (Omya GLS 001)	0.85	g/ml
Tapped bulk density (Omya GLS 002)	1.49	g/ml

### MAIN APPLICATIONS :

Self-compacting concrete  
Self-consolidating concrete  
Self levelling mortars  
Ready mixed concrete  
Precast architectural elements

Prestressed concrete  
Colored concrete  
High performance concrete  
Dry mortars

### STANDARD PACKAGING:

Bulk  
Big Bag

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