



asbl **COPRO** vzw

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EC-CERTIFICATE OF CONFORMITY

1137-CPD-0473

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

Road marking materials - Drop on materials: Glass beads, antiskid aggregates and mixtures of the two

The products that are covered by this certificate, are enumerated on the following pages
placed on the market by

SOVITEC GLASPERLEN GmbH
Bahnhofstrasse 24 D-03253 Schönborn

and produced in the production-unit

SOVITEC GLASPERLEN GmbH
Bahnhofstrasse 24 D-03253 Schönborn

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body No. 1137 – COPRO - has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the following standard(s)

EN 1423 : 2012

were applied.

This certificate was delivered on **31/10/2012** (first edition : 11/04/2005) and remains valid as long as the conditions laid down in the harmonised technical specifications in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

The validity of this certificate must be verified on the website from COPRO (www.copro.eu).

For COPRO

Ir E. Barbé
CEO



EC-CERTIFICATE OF CONFORMITY 1137-CPD-0473 of 31/10/2012

Drop on materials: Glass beads, antiskid aggregates and mixtures of the two

1. Glass beads:

Granulometries

850-600(01)										
upper nominal sieve	850 µm	sieve		1 mm	850 µm	600 µm				
lower nominal sieve	600 µm	cumulative retained mass %		0-2%	0-10%	95-100%				
850-600 (02)										
upper nominal sieve	1 mm	sieve		1,18 mm	850 µm	710 µm	600 µm			
lower nominal sieve	600 µm	cumulative retained mass %		0-2%	0-10%	70-100%	95-100%			
1000-710 (01)										
upper nominal sieve	1 mm	sieve		1,18 mm	1 mm	710 µm				
lower nominal sieve	710 µm	cumulative retained mass %		0-2%	0-10%	95-100%				
1180-850 (01)										
upper nominal sieve	1,18 mm	sieve		1,4 mm	1,18 mm	1 mm	850 µm			
lower nominal sieve	850 µm	cumulative retained mass %		0-2%	0-10%	30-70%	95-100%			
1180-1000 (01)										
upper nominal sieve	1,18 mm	sieve		1,4 mm	1,18 mm	1 mm				
lower nominal sieve	1 mm	cumulative retained mass %		0-2%	0-10%	95-100%				
1400-600 (01)										
upper nominal sieve	1,4 mm	sieve		2 mm	1,4 mm	1 mm	850 µm	600 µm		
lower nominal sieve	600 µm	cumulative retained mass %		0-2%	0-10%	30-70%	60-100%	95-100%		
1400-600 (02)										
upper nominal sieve	1,4 mm	sieve		1,7 mm	1,4 mm	1 mm	850 µm	600 µm		
lower nominal sieve	600 µm	cumulative retained mass %		0-2%	0-10%	25-60%	75-100%	95-100%		
1400-850 (01)										
upper nominal sieve	1,4 mm	sieve		1,7 mm	1,4 mm	1,18 mm	1 mm	850 µm		
lower nominal sieve	850 µm	cumulative retained mass %		0-2%	0-10%	5-45%	60-100%	95-100%		
1400-850 (02)										
upper nominal sieve	1, 4 mm	sieve		1,7 mm	1,4 mm	1,18 mm	1 mm	850 µm		
lower nominal sieve	850 µm	cumulative retained mass %		0-2%	0-10%	30-70%	70-100%	95-100%		
1700-710 (01)										
upper nominal sieve	1,7 mm	sieve		2,36 mm	1,7 mm	1 mm	710µm			
lower nominal sieve	710 µm	cumulative retained mass %		0-2%	0-10%	80-100%	95-100%			
1700-1180 (01)										
upper nominal sieve	1,7 mm	sieve		2 mm	1,7 mm	1,4 mm	1,18 mm			
lower nominal sieve	1,18 mm	cumulative retained mass %		0-2%	0-10%	80-100%	95-100%			
2000-1000 (01)										
upper nominal sieve	2 mm	sieve		2,36 mm	2 mm	1,4 mm	1 mm			
lower nominal sieve	1 mm	cumulative retained mass %		0-2%	0-10%	40-80%	95-100%			
Echostar 30										
upper nominal sieve	1,4 mm	sieve		1,7 mm	1,4 mm	1,18 mm	850 µm	600 µm	425 µm	355 µm
lower nominal sieve	212 µm	cumulative retained mass %		0-2%	0-10%	5-30%	40-80%	70-100%	80-100%	90-100%



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with:

refractive index of the Glass beads	class A	
Maximum weighted % of defective glass beads	Beads with diameter < 1 mm	Maximum 20 %
	Beads with diameter ≥ 1 mm	Maximum 20 %
Resistance to water , hydrochloric acid, calcium chloride and sodium sulfide	pass	
Dangerous substances	Class 1 for As, Pb and Sb	

2. Mixtures of glass beads and antiskid aggregates

The composition of the mixtures and the proportions of the components are mentioned on the product data sheet of the manufacturer and on the labelling of the products. The mixtures are composed of the glass beads mentioned under 1. Glass Beads and the following antiskid aggregates.

Granulometries:

antiskid aggregates "Sili 13" 1700-850								
upper nominal sieve	1,7 mm	sieve	2 mm	1,7 mm	1,18 mm	1 mm	850 µm	500 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	40-80%	75-100%	95-100%	99-100%
not transparent antiskid aggregates				friability index : max 35				

antiskid aggregates "Sili 14" 2000-850									
upper nominal sieve	2 mm	sieve	2,36 mm	2 mm	1,7 mm	1,18 mm	1 mm	850 µm	500 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	0-40%	45-85%	75-100%	95-100%	99-100%
not transparent antiskid aggregates					friability index : max 35				

antiskid aggregates "Alu 27" 1700-850								
upper nominal sieve	1,7 mm	sieve	2 mm	1,7 mm	1,4 mm	1 mm	850 µm	710 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	0-40%	70-100%	95-100%	99-100%
Transparent antiskid aggregates					friability index : max 10			

antiskid aggregates "Alu 28" 2000-1000								
upper nominal sieve	2 mm	sieve	2,36 mm	2 mm	1,7 mm	1,18 mm	1 mm	710 µm
lower nominal sieve	1 mm	cumulative retained mass %	0-2%	0-10%	0-40%	70-100%	95-100%	99-100%
Transparent antiskid aggregates					friability index : max 10			

antiskid aggregates "Alu 29" 2360-1000								
upper nominal sieve	2,36 mm	Sieve	2,8 mm	2,36 mm	2 mm	1,4 mm	1 mm	710µm
lower nominal sieve	1 mm	cumulative retained mass %	0-2%	0-10%	0-40%	70-100%	95-100%	99-100%
transparent antiskid aggregates					friability index : max 10			



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mixture Amix 51 "composed of Alu 27 1700-850+ Sili 13" 1700-850								
upper nominal sieve	1,7 mm	sieve	2 mm	1,7 mm	1 mm	850 µm	500 µm	
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	60-100%	95-100%	99-100%	
antiskid aggregates "Alu 27" 1700-850								
upper nominal sieve	1,7 mm	sieve	2 mm	1,7 mm	1,4 mm	1 mm	850 µm	710 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	0-40%	70-100%	95-100%	99-100%
transparent antiskid aggregates			friability index : max 10					
antiskid aggregates "Sili 13" 1700-850								
upper nominal sieve	1,7 mm	sieve	2 mm	1,7 mm	1,18 mm	1 mm	850 µm	500 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	40-80%	75-100%	95-100%	99-100%
not transparent antiskid aggregates			friability index : max 35					
the composition of the mixture is constant								

antiskid aggregates: mixture Amix 53 "composed of "Alu 28" 2000-1000 + Sili 14" 2000-850:								
upper nominal sieve	2 mm	sieve		2,36 mm	2 mm	1,18 mm	850 µm	500 µm
lower nominal sieve	850 µm	cumulative retained mass %		0-2%	0-10%	60-100%	95-100%	99-100%
antiskid aggregates "Alu 28" 2000-1000								
upper nominal sieve	2 mm	sieve	2,36 mm	2 mm	1,7 mm	1,18 mm	1 mm	710 µm
lower nominal sieve	1 mm	cumulative retained mass %	0-2%	0-10%	0-40%	70-100%	95-100%	99-100%
transparent antiskid aggregates				friability index : max 10				
antiskid aggregates "Sili 14" 2000-850								
upper nominal sieve	2 mm	sieve	2,36 mm	2 mm	1,7 mm	1,18 mm	1 mm	850 µm
lower nominal sieve	850 µm	cumulative retained mass %	0-2%	0-10%	0-40%	45-85%	75-100%	95-100%
not transparent antiskid aggregates				friability index : max 35				
the composition of the mixture is constant								

**Ir E. Barbé
CEO**