


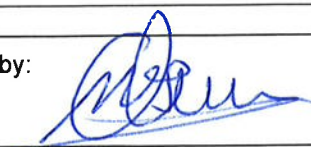


Declaration of Performance Granova® Combi-mix 0/14-0004

01-02-2022



According to Annex III of the Regulation (EU) No 305/2011 amended by Commissions delegated Regulation (EU) No 574/2014

1. Unique identification code	Granova® Combi-mix 0/14 mm according to Product Specification Granova® Combi-mix 0/14-0004 and EN 13242:2002+A1:2007	
2. Description	Granova® Combi-mix 0/14-0004	
3. Intended use	Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction	
Manufacturer	Producer Heros Sluiskil B.V. Oostkade 5 4541 HH SLUISKIL (NL) telephone: +31 (0)115-471258 fax: +31 (0)115-472749 Internet: www.heros.nl Email: info@heros.nl	
5. Name and contact address agent	Not applicable	
6. System of assessment and verification of constancy of performance	 AoC-level 2+	Certificate of Conformity of the Factory Production Control 0958-CPR-2004/1 Date of first issue: 03-01-2006
7. Activity of the notified certification body as required by the harmonized standard	The notified certification body SGS Intron Certificering B.V. (ID-nr. 0958) carried out, under system 2+, the initial inspection of the installation and the factory production control and will also take care of the continuous surveillance, assessment and evaluation of the production control. On that basis, the certificate of conformity of production control is provided.	
8. European Technical Assessment	Not applicable	
9. Declared Performance		
Essential characteristics	Performance (2021)	Harmonised standard
4.2 Aggregate size	0/14 mm	EN 13242:2002+A1:2007 
4.3 Grading	All-in GA80 / GTA20	
4.4 Shape of aggregate		
- Flakiness index	Fl_{20}	
- Shape index	S_{NR}	
4.5 Percentage of crushed or broken particles and of totally rounded particles	C_{NR}	
4.6 Fines content	f_7	
4.7 Fines quality	NPD	
5.2 Resistance to fragmentation of coarse aggregate	LA_{40}	
5.3 Resistance to wear of coarse aggregate	$M_{DE NR}$	
5.4 Oven-dried particle density (Rho rd)	2,2 – 2,4 Mg/m ³	
Saturated and surface-dried particle density (Rho ssd)	2,3 – 2,5 Mg/m ³	
Apparent particle density (Rho a)	2,5 – 2,7 Mg/m ³	
5.5 Water absorption (WA ₂₄)	4 - 6 %m/m	
6 Chemical requirements	NR	
7 Durability requirements	NR	
10. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with the Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.		
Complementary features, not covered by EN 13242:2002 + A1:2007:		
Composition and emission	Meets the requirements of Annex A of the Dutch Soil Decree Regulation	
Class	Freely applicable building material	
Non-hazardous waste	Eural 19 01 12	
The Granova® Combi-mix	Is not mixed with fly ash and at least 6 weeks old	
Weighed asbestos content	< 100 mg/kg	
Loss on ignition	< 3% m/m	
Free metallic Iron	< 3% m/m	
Sluiskil February 1 st 2022	Signed for and on behalf of the manufacturer by: M.W. Stouten QHSE Manager	



Declaration of Performance Granova® Combi-mix 0/14-0004 01-02-2022
 According Annex III of the Regulation (EU) No 305/2011 amended by Commissions delegated Regulation (EU) No 574/2014

Annex I: grading

1. Unique identification code	Granova® Combi-mix 0/14 mm according to Product Specification Granova® Combi-mix 0/14-0004 and EN 13242:2002+A1:2007			
2. Description	Granova® Combi-mix 0/14-0004			
3. Intended use	Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction			
4. Manufacturer	Producer Heros Sluiskil B.V. Oostkade 5 4541 HH SLUISKIL (NL) telephone: +31 (0)115-471258 fax: +31 (0)115-472749 Internet: www.heros.nl Email: info@heros.nl			
5. Name and contact address agent	Not applicable			
6. System of assessment and verification of constancy of performance		AoC-level 2+	Certificate of Conformity of the Factory Production Control 0958-CPR-2004/1 Date of first issue: 03-01-2006	
7. Activity of the notified certification body as required by the harmonized standard	The notified certification body SGS Intron Certificering B.V. (ID-nr. 0958) carried out, under system 2+, the initial inspection of the installation and the factory production control and will also take care of the continuous surveillance, assessment and evaluation of the production control. On that basis, the certificate of conformity of production control is provided.			
8. European Technical Assessment	Not applicable			
9. Declared Performance				
	Essential characteristics	Declared Performance	Harmonised standard	
	4.3 Grading (wet sieving)	All-in G _{A80} / G _T A20	EN 13242:2002+A1:2007	
Sieve size (mm)	Limits for percentage passing by mass (% m/m)			90% of the results comply with the following limits for percentage passing by mass
	General (table 2 - G _{A80})	Average (production period 2019)	Limits relative to average (table 4 - G _T A25)	
31.5	100	100		100-100
20	98-100	99.8		99-100
16		98		93-98
14	80-99	95	90-100	90-98
12.5		92		85-97
10		84		73-91
8		75		64-83
6.3		66	46-86	53-74
4		51		37-60
2		33		18-41
1		23		11-29
0.063 (fines)		2	0-7	1-3
10. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued in accordance with the Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.				
Sluiskil February 1 st 2022		Signed for and of behalf of the manufacturer by: M.W. Stouten QHSE Manager 