

## DECLARATION OF PERFORMANCE

In accordance with the Regulation (EU) No.305/2011

**N° 012-DoP1-2022-12-16– EN 13055-1/-2**

**2. Intended uses :** lightweight **expanded clay** aggregates for concrete, mortar and grout, bituminous mixtures and surface treatments and for unbound and hydraulically bound applications for construction works

**3. Manufacturer :** ARGEX SA/NV

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**4. Assessment and verification of constancy of performance (AVCP) :** System 2+

**5. Standards :**

**EN 13055-1:2002 + AC:2004** - Lightweight aggregates – Part 1 : Lightweight aggregates for concrete, mortar and grout

**EN 13055-2:2004** - Lightweight aggregates - Part 2: Lightweight aggregates for bituminous mixtures and surface treatments and for unbound and bound applications

These standards specify the properties of lightweight aggregates and fillers derived thereof obtained by processing natural or manufactured materials and mixtures of these aggregates for concrete, mortar and grout, bituminous mixtures and surface treatments and for unbound and hydraulically bound applications for construction works.

**Product description (source materials) :** manufactured LWA from natural source materials : **expanded clay aggregates**

**6. Declared performances :**

Harmonised technical specification	Essential characteristics																			
	Loose bulk density	Particle density	Aggregate size	Grading	Particle shape	Water absorption		Resistance to fragmentation/crushing		Resistance to polishing/abrasion/wear/attrition		Percentage of crushed particles	Volume stability	Durability against freeze/thaw	Composition/content			Cleanliness	Durability against alkali-silica reactivity	Release of dangerous substances
	± 15% with a maximum of ± 100 kg/m <sup>3</sup>	± 15% with a maximum of ± 150 kg/m <sup>3</sup>						bulk crushing resistance - 2x30"	resistance to fragmentation - Los Angeles	Resistance to polishing	Resistance to wear - Micro Deval	crushed particles	Resistance to disintegration	Freezing & thawing resistance	Chloride	Acid-soluble sulphate	Total sulphur			
	kg/m <sup>3</sup>	kg/m <sup>3</sup>	d/D - mm			1h - %	24h - %	N/mm <sup>2</sup>				%	%	%	%	%	%			
Product identification	Performance																			
AG0/2-580	580	1045 (1)	0/2	see technical sheet	crushed	< 35 (2)	NPD	NPD	NPD	NPD	NPD	NPD	< 0,01	< 0,5	< 0,55	Pass	NPD	NPD		
AG0/4-500	500	950 (1)	0/4		crushed	< 40 (2)	NPD	NPD			NPD	NPD								
AG0/4-500S	500	950 (1)	0/4		crushed	< 40 (2)	NPD	NPD			NPD	NPD								
AG1/5-390	390	780 (1)	1/5		crushed	< 45 (2)	NPD	NPD			NPD	NPD								
AG4/8-370	370	770	4/8		crushed	< 40	< 55	> 0,6			< 0,22	< 3,3								
AM0/5-530 Chapemix	530	960 (1)	0/5		mix round-crushed	< 35 (2)	NPD	NPD			NPD	NPD								
AM4/8-700	700	1230	4/8		mix round-crushed	< 16	< 23	> 8			< 0,22	< 3,3								
AM4/8-700C	700	1230	4/8		mix round-crushed	< 6	NPD	> 8			NPD	NPD								
AR0/2-800	800	1240 (1)	0/2		round	< 30 (2)	NPD	NPD			NPD	NPD								
AR0/4-650	650	1050 (1)	0/4		round	< 30 (2)	NPD	NPD			NPD	NPD								
AR0/4-700F	700	1085 (1)	0/4		round	< 30 (2)	NPD	NPD			NPD	NPD								
AR0/4-700C	700	1085 (1)	0/4		round	< 12 (2)	NPD	NPD			NPD	NPD								

AR1/5-580	580	1030	1/5	round	< 20	NPD	> 1,7	NPD	NPD						
AR3/8-500	500	875	3/8	round	< 22	< 33	> 1,8								
AR4/10-430	430	750	4/10	round	< 27	< 40	> 0,8	< 0,22	< 3,3						
AR8/16-340	340	600	8/16	round	< 30	< 45	> 0,6								
AR4/12-380	380	660	4/12	round	< 30	< 47	> 0,7								
AR2/6-500	500	875	2/6	round	< 25	NPD	> 1,5	NPD	NPD						
AM0/8-750C	750	1230	0/8	mix round- crushed	< 12	NPD	NPD	NPD	NPD						
AM0/4-600	600	1050 (1)	0/4	mix round- crushed	< 33 (2)	NPD	NPD	NPD	NPD						

**Appropriate technical documentation :**

- CE certification and **technical sheets** are available. See [www.argex.eu](http://www.argex.eu) “product info”.
- Some products are covered by **BRL certification** in NL regarding the leaching of dangerous substances for loose applications in contact with the ground water : certification KIWA / K73820-02 [www.argex.eu](http://www.argex.eu)
- Quality management system : **ISO 9001:2015 & ISO 14001:2015**
- Product identification :

Aggregate trade name : **A** = Argex

Particle shape : **R** = rounded – **G** : crushed – **M** = mix rounded & crushed

Aggregate size : **d/D** (mm) and Declared loose bulk density in kg/m<sup>3</sup> in accordance with EN 13055-1/-2

**C** = Coating

7. Notified factory production control certification body 0965 BE CERT performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate No. 0965-CPR-GT0525 of conformity of the factory production control.

NPD = No Performance Determined

(1)&(2) in accordance with EN 1097-6:2022/Annex D - the water absorption of fines is given for 5' soaking time – all aggregates are tested dry (documentation on wet aggregates is available on demand)

The performance of the aggregates identified in table above is in conformity with the declared performance of CE Technical sheet enclosed.

This declaration of performance is issued under our sole responsibility. Signed for and on behalf of the manufacturer by:



Xavier KESTEMONT R&D – Quality Manager – ARGEX SA/NV - 16/12/2022