


# Declaration of Performance



in accordance with delegated regulation (EU) Nr. 574/2014 of the commission on the amendment to annex III to regulation (EU) Nr. 305/2011 (EU-construction-products-regulation) for the product-group „aggregates for concrete“ according to DIN EN 12620

DoP-No.:		<b>SCHW-2013-07-21-B.e</b>		
1	unique identification code of the product type:			
	DIN EN 12620	0/2	sort	S01 / S05
	DIN EN 12620	2/8	sort	K01 / K05
	DIN EN 12620	8/16	sort	K03 / K07
	DIN EN 12620	16/32	sort	K04 / K08
2	usage:	<b>aggregates for concrete</b>		
3	producer:	<b>SCHWENK Sand &amp; Kies Nord GmbH &amp; Co. KG</b>		
		<b>Am Saale-Dreieck 3, 39240 Calbe (Saale) OT Schwarz</b>		
	factory 'Schwarz':	Am Saale-Dreieck 3, 39240 Calbe (Saale) OT Schwarz		
4	system(s) of assessment and verification of constancy performance (AVCP):	<b>system 2+</b>		
5	In the case of a declaration of performance concerning a construction product covered by a harmonized standard:			
	harmonized standard:	<b>EN 12620:2002+A1:2008</b>		
	notified body:	<b>BAU-ZERT e.V. (0790)</b>		
6	stated performance:	<b>see the list of relevant characteristics at the end of this declaration</b>		
7	The performance of the products according to numbers 1 and 2 corresponds to the stated performance. responsibility for the preparation of this declaration of performance is the sole responsibility of the producer.			
Signed for the producer and on behalf of the producer:				
place:	Schwarz	<b>SCHWENK Sand &amp; Kies Nord GmbH &amp; Co. KG</b> Am Saale-Dreieck 3 39240 Calbe OT Schwarz		
date:	11.01.2021			
managing director:	Thomas Sülzle			
signature:	 <hr/>			

**SCHWENK**

harmonized technical specification  
EN 12620:2002+A1:2008

company:  
**SCHWENK Sand & Kies Nord GmbH & Co. KG**  
**Am Saale-Dreieck 3**  
**39240 Calbe (Saale) OT Schwarz**

factory 'Schwarz':  
Am Saale-Dreieck 3  
39240 Calbe (Saale) OT Schwarz

date:  
**11.01.2021**

sheet no.:  
**1 of 2**

natural aggregates  
petrographic type: **Saale-sand/-gravel**

certificate:  
**0790-CPR-2.3261.2388-01**




**description of the grain groups**

ser. no.	1	2	3	4
sort no.	S01 / S05	K01 / K05	K03 / K07	K04 / K08
size fraction	0/2	2/8	8/16	16/32
aggregate size	G <sub>F</sub> 85 tolerance acc. tab. 4	G <sub>C</sub> 85/20	G <sub>C</sub> 85/20	G <sub>C</sub> 85/20
content of fines	f <sub>3</sub>	f <sub>1,5</sub>	f <sub>1,5</sub>	f <sub>1,5</sub>
fines quality	npd	npd	npd	npd
shape index/flakiness index	npd	SI <sub>20</sub>	SI <sub>15</sub>	SI <sub>15</sub>
percentage of crushed particles	npd	C <sub>NR</sub>	C <sub>NR</sub>	C <sub>NR</sub>
shell content	npd	SC <sub>10</sub>	SC <sub>10</sub>	SC <sub>10</sub>
resistance to fragmentation	npd	SZ <sub>26</sub>	SZ <sub>26</sub>	SZ <sub>26</sub>
resistance to "Sonnenbrand"	npd	npd	npd	npd
resistance to polishing	npd	PSV <sub>NR</sub>	PSV <sub>NR</sub>	PSV <sub>NR</sub>
resistance to surface abrasion	npd	AAV <sub>NR</sub>	AAV <sub>NR</sub>	AAV <sub>NR</sub>
resistance to wear	npd	M <sub>DE</sub> NR	M <sub>DE</sub> NR	M <sub>DE</sub> NR
resistance to abrasion from studded tyres	npd	A <sub>N</sub> NR	A <sub>N</sub> NR	A <sub>N</sub> NR
particle density (ρ <sub>s,20</sub> )	2,64±0,03 Mg/m <sup>3</sup>	2,63±0,03 Mg/m <sup>3</sup>	2,63±0,03 Mg/m <sup>3</sup>	2,63±0,03 Mg/m <sup>3</sup>
water absorption (WA <sub>24</sub> )	0,2±0,2 M.-%	1,4±0,4 M.-%	1,0±0,4 M.-%	0,9±0,4 M.-%
resistance to freezing and thawing	npd	F <sub>1</sub>	F <sub>1</sub>	F <sub>1</sub>
resistance to freezing and thawing in the presence of salt	npd	passed	passed	passed
resistance to weathering	npd	MS <sub>18</sub>	MS <sub>18</sub>	MS <sub>18</sub>
volume stability	npd	npd	npd	npd
alkali-silica reaction	E I	E I-S	E I-S	E I-S
water soluble chloride	≤ 0,01 M.-%	≤ 0,01 M.-%	≤ 0,01 M.-%	≤ 0,01 M.-%
acid soluble sulfate	AS <sub>0,2</sub>	AS <sub>0,2</sub>	AS <sub>0,2</sub>	AS <sub>0,2</sub>
total sulfur	≤ 1 M.-%	≤ 1 M.-%	≤ 1 M.-%	≤ 1 M.-%
content of lighthweight organic contaminants	≤ 0,10 M.-%	≤ 0,05 M.-%	≤ 0,05 M.-%	≤ 0,05 M.-%
constituents affecting the setting and hardening	passed	passed	npd	npd
carbonate	≤ 3,0 M.-%	npd	npd	npd
radiation of radioactivity	npd	npd	npd	npd
release of heavy-metals	npd	npd	npd	npd
release of polycyclic aromatic hydrocarbons	npd	npd	npd	npd
release of other dangerous substances	npd	npd	npd	npd

npd = no performance determined

**information on typical grain compositions of fine aggregates and aggregate mixtures**

ser. no.	sort no.	grain group	factory-typical grain composition													
			0,063	0,125	0,25	0,5	1	1,4	2	2,8	4	8	11,2	16	22,4	31,5
1	S01 / S05	0/2	0,5	-	10	-	80	-	97	-	100					
4	K04 / K08	16/32										0	-	10	70	100

					
TL Gestein-StB (EN 12620:2002+A1:2008)					
company: <b>SCHWENK Sand &amp; Kies Nord GmbH &amp; Co. KG</b> Am Saale-Dreieck 3 39240 Calbe (Saale) OT Schwarz		date: 11.01.2021		sheet no.: 2 of 2	
factory 'Schwarz': Am Saale-Dreieck 3 39240 Calbe (Saale) OT Schwarz		natural aggregates petrographic type:		Saale-sand/-gravel	
		certificate:		0790-CPR-2.3261.2388-01	
<b>description of the grain groups according TL Gestein-StB</b>					
ser. no.	1	2	3	4	
sort no.	S01 / S05	K01 / K05	K03 / K07	K04 / K08	
size fraction	0/2	2/8	8/16	16/32	
content of fines	$f_3$	$f_1$	$f_1$	$f_1$	
resistance to freezing and thawing in the presence of salt	npd	$\leq 8 \text{ M.-%}$	$\leq 8 \text{ M.-%}$	$\leq 8 \text{ M.-%}$	
content of lighthweigh organic contaminators	$m_{LPC}0,10$	$m_{LPC}0,05$	$m_{LPC}0,05$	$m_{LPC}0,05$	
npd = no performance determined					