



NCC INDUSTRY AB  
 Stenungsund  
 Gröteröd 101  
 444 95 Ödsmäl  
 Tel: 0522-64 96 61



1162

EN 12620

Aggregates for concrete  
 Stenungsund - 4/8 - 12620 - CPR - 2024-03-22  
 4/8, EN 12620

05

1162-CPR-0894

Particle shape, size and density:

Aggregate size	4/8
Grading	$G_C$ 80/20 , $G_{NR}$
Flakiness index	$FI_{NR}$
Shape index	$SI_{20}$
Particle density	2,65 Mg/m <sup>3</sup>
Cleanliness	
Fines content	$f_{1,5}$
Fines quality, sand equivalent values	$SE10_{NR}$
Fines quality, methylene blue values	NR, NPD
Determination of shell content - Percentage of shells in coarse aggregates	$SC_{NR}$
Resistance to fragmentation/churning	$LA_{NR}$
Resistance to polishing/abrasion/wear/attrition:	
Resistance to polishing for surface coarse	$PSV_{NR}$
Resistance to surface abrasion	NR, NPD
Resistance to wear	$M_{DE}$ NR
Composition/content:	
Petrographic description	Granit/Granodiorit
Classification test for the constituents of coarse recycled aggregate	NR, NPD
Chlorides	<0,001%
Acid-soluble sulfate	$AS_{NR}$
Total sulfur	$S_{NR}$
Water soluble sulfate content of recycled aggregates	$SS_{NR}$
Organic substances	NR, NPD
Carbonate content of fine aggregates for concrete pavement surface courses	NR, NPD
Volume stability:	
Drying shrinkage	NR, NPD
Dicalcium silicate disintegration, Blastfurnace slag	NR, NPD
Iron disintegration, Blastfurnace slag	NR, NPD
Waterabsorption	<1%
Emission of radioactivity:	
Activity index	<1
Radium concentration (Bq/kg)	NR, NPD
Dangerous substances:	
Release of heavy metals	NR, NPD
Release of polyaromatic hydrocarbons	NR, NPD
Release of other dangerous substance	NR, NPD
Durability:	
Freeze-thaw resistance	0,1%
Resistance to freezing and thawing in presence of salt (extreme conditions)	NR, NPD
Durability against studded tyres	$A_N$ NR
Alkali-silica reactivity	Non-hazardous aggregate

Other comments:

NR = No Requirement

NPD = No Performance Determined



DECLARATION OF PERFORMANCE  
Stenungsund - 4/8 - 12620 - CPR - 2024-03-22

1. Unique identification code of the product-type:

4/8, EN 12620

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Aggregates for concrete  
4/8

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Aggregates for concrete  
EN 12620

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):

NCC INDUSTRY AB  
Stenungsund  
Gröteröd 101  
444 95 Ödsmäl  
Tel: 0522-64 96 61  
Email: andreas.reinholdsson@ncc.se

5. Where applicable name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Andreas Reinholdsson  
NCC INDUSTRY AB  
Gröteröd 101  
444 95 Ödsmäl  
Sweden  
Tel: 0522-64 96 61  
Email: andreas.reinholdsson@ncc.se

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

Nivå 2+

7. The declaration of performance of a construction product covered by a harmonized standard:  
Notified Body for certifying of production control has performed the initial inspection of the factory, along with control, continuous monitoring, assessment and evaluation of factory production control. They have also drawn certificate of conformity of the factory production control.

Notified Body for the factory: 1162

8. Declared performance.

Essential Characteristic	Performance	Method	Harmonized standard
Particle shape, size and density			EN 12620
Aggregate size	4/8	EN 933-1	
Grading	$G_C 80/20$ , $G_{NR}$	EN 933-1	
Flakiness index	$FI_{NR}$	EN 933-3	
Shape index	$SI_{20}$	EN 933-4	
Particle density	2,65 Mg/m <sup>3</sup>	EN 1097-6	
Cleanliness			
Fines content	$f_{1,5}$	EN 933-1	
Fines quality, sand equivalent values	$SE_{10 NR}$	EN 933-8	
Fines quality, methylene blue values	NR, NPD	EN 933-9	
Determination of shell content - Percentage of shells in coarse aggregates	$SC_{NR}$	EN 933-7	
Resistance to fragmentation/churning	$LA_{NR}$	EN 1097-2	
Resistance to polishing/abrasion/wear/attrition			
Resistance to polishing for surface coarse	$PSV_{NR}$	EN 1097-8	
Resistance to surface abrasion	NR, NPD	EN 1097-8	
Resistance to wear	$M_{DE NR}$	EN 1097-1	
Composition/content			
Petrographic description	Granit/Granodiorit	EN 932-3	
Classification test for the constituents of coarse recycled aggregate	NR, NPD	EN 933-11	
Chlorides	<0,001%	EN 1744-1	
Acid-soluble sulfate	$AS_{NR}$	EN 1744-1	
Total sulfur	$S_{NR}$	EN 1744-1	
Water soluble sulfate content of recycled aggregates	$SS_{NR}$	EN 1744-1	
Organic substances	NR, NPD	EN 1744-1	
Carbonate content of fine aggregates for concrete pavement surface	NR, NPD	EN 196-2	
Volume stability:			
Drying shrinkage	NR, NPD	EN 1367-4	
Dicalcium silicate disintegration, Blastfurnace slag	NR, NPD	EN 1744-1	
Iron disintegration, Blastfurnace slag	NR, NPD	EN 1744-1	
Waterabsorption	<1%	EN 1097-6	
Emission of radioactivity			
Activity index	<1		
Radium concentration (Bq/kg)	NR, NPD		
Dangerous substances			
Release of heavy metals	NR, NPD		
Release of polyaromatic hydrocarbons	NR, NPD		
Release of other dangerous substance	NR, NPD		
Durability			
Freeze-thaw resistance	0,1%	EN 1367-1	
Resistance to freezing and thawing in presence of salt (extreme conditions)	NR, NPD	EN 1367-6	
Durability against studded tyres	$A_N NR$	EN 1097-9	
Alkali-silica reactivity	Non-hazardous aggregate <0,08 % (14 days)	EN 932-3 RILEM AAR-2	

9. Not applicable

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Site Manager Andréas Reinholdsson

(name and function)

Stenungsund 2024-03-22

(place and date of issue)



(electronically issued signature)