

Material list – CEMP condition

6023 Cemminerals - Newport



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Projectdossier	6023
Projectdescripton	Building of a new cementfactory in Newport Souht-Wales
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1 Material list

This report gives an overview of the building materials expected to be used within the Newminerals project at Alexandradock Newport.

The assumption is been made that materials like rebars, roof insulations, roofing, crushed stone... don't need further clarification. For all other materials reference images are shown below. All the pictures are taken from a similar cement plant of Cemminerals in Ghent, Belgium. The Newport site will be based on this Ghent site. It will use the same type of materials and will therefore have a very similar look and feel.

1.1 Table of materials used in the different constructions

MATERIALS	Office	Silo	Ware-houses	Mill	Maintenance	Conveyor	Buffer-tanks	Site
Pile foundation	X	X	X	X	X	X		
Concrete in situ	X	X	X	X	X	X		
Concrete prefab floor/roof slabs	X			X			X	
Rebar	X	X	X	X	X	X	X	
Construction steel		X	X	X	X	X		
Steel roof cladding			X	X	X			
Roof insulation	X		X	X				
Roofing	X		X	X				
Steel cladding			X	X				
Concrete cladding	X				X			
Windows	X							
Asphalt pavement								X
Sewer pipes								X
Empty ducts								X
Fences								X
Barriers								X
Import crushed stone								X

Table 1: materials used for constructions on site

1.2 Reference pictures



Concrete prefabricated insulated sandwichpanels (washed out finishing) for maintenance warehouse



Steel cladding for the façades of the mill building



Construction steel and steel silo's



Conveyor



Prefabricated, insulated concrete sandwichpanels. Washed out finishing

Aluminium windows and doors



Walls in in situ concrete, structural steel for the roofs, insulated steel cladding for the roof panels



In situ concrete on the bottom, prefabricated concrete cladding on top, prefabricated concrete structure and steel roof cladding