



BUILDING PRODUCT DECLARATION

Marmoroc Baltic/Nordic façade system

PRODUCTS

Façade stone of crushed marble and white cement Supporting profiles of rolled, pressed or edge-bent steel

MANUFACTURER/SUPPLIER

Marmoroc AB POLISGATAN 2 Box 274 SE-731 26 Köping

DECLARATION OF CONTENTS

Façade stone of natural material

Steel profiles, hot dip galvanized, in compliance with EN 10142

The product consists on average of 20-30 % recycled material

Metallisation layer of zinc, 275 g/double side and chromating layer, 10-20 mg/m² and side.

Residues from metalworking oil and vegetable lubricating emulsion

APPLICATIONS

Cladding of façades or foundation walls in supporting or non-supporting structures. For exterior and interior façade cladding, where high heat resistance and fire protection are required. Marmoroc façade system has European Type Approval **ETA 16/0847.**

Reference

This building product declaration has been prepared in compliance with the Eco Council of the Building Sector's instructions (Krettsloppsrådet) for building product declarations (1997 in September)



1. Constituent

materia

materiai		ı	T .		1	1	1
1.1		1.1.A	1.1.B/C	1.1.D	1.1.E	1.1.F	1.4
Raw materials	Weight percentage	Type of energy	Renewable	At ext.	At ext.	Impacts	Origin
	weight %	at		and	and	on land	
		production		transport.	transport.		
		and		Emissions	Emissions		
		handling		to water	to water		
Limestone/Marble	73.00 %	Electrical and	No	None	None	Open pit mining Open pit	Sweden
Cement	18.00 %	fossil				mining	Spain
Water	8%	fuel				None	Sweden
Pigment, iron oxide based	0.50 %					None	Germany
Lime reducing agent Soap	0.01 % 0.01 %					None None	Germany Germany
Hot-dip galvanized steel sheet	around 5	Electrical and	No	None	At	Ore mining	EU
	1	fossil fuels		1	transport	1	

2. Production

Production process

2.1.A	2.1.D	2.1.E	2.1.F
	Emissions to	Emissions	Impacts on
Type of energy	water	to air	land
Electrical	None None	None	None

3. Distribution Applies to finished

building	products

3.1	3.2	3.3	3.4
Production	Mode of		
location/country	transport	Modes of distribution	Packaging
		95 % directly to	Return pallet of wood,
Façade stone in Sweden	Lorry	workplace	corrugated board and
			plastic film
Assembly profiles in			F
Sweden			Steel or plastic strips

4. Building phase

5. Usage phase

Building production and adaptation

Building production and adaptation						
4.1.A	4.1.B/C	4.1.D	4.1.E	4.1.F		
			Emissions			
Type of energy	Type of material (1)	Emissions to	to	Impacts on land		
		water (2)	air (2)			
				Residual		
				products are		
Electrical current to	None	None	None	recycled		
screw and cutting						
machines						

(2) Refers to impacts on water and air

during construction

(1) Need of consumables for

construction

Operation and maintenance

Operation and maintenance							
			5.1.E,				
5.1.A	5.1.B/C, 5.2.B/C	5.1.D, 5.2.D	5.2.E	5.3			
			Emissions				
Type of energ	Type of material (3)	Emissions to	to	Life span			
		water (4)	air (4)	(Resistance)			
None	None	None	None	> 50 years			

- (3) Goods necessary to maintain the functionality and properties when the building is in use
- (4) Refers to emissions or impacts on emissions when the building is in use



6. Demolition

Dismantling

<i>D</i> 10 mm 11 m 5				
6.1.A/B/C	6.1.D		6.1.E	6.1.F
Type of energy	Emissions to water		Emissions to air	Impact on land
Electrical current to screw machines,				
none				
Special equipment required, easy to	None	None	None	None
disassemble in manageable parts. Stones				
broken off, requires no electric current				

7. Residual products

Reuse, recycling

reuse, recycling					
7.1	7.2	7.2.A	7.2.D	7.2.E	7.3
Reuse	Recycling	Energy requirements at recycling	Emissions to	Emissions to air	Energy recovery
Possible	Yes	Electrical Fossil fuels	None	From transport and fossil fuels	None

8. Waste products

Landfill

Danam	Suitain .							
8.1.D		8.1.E	8.1.F					
Emissions to water		Emissions to air	Impacts on land					
None		None	None					

9. Internal

environment

9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8
Content of allergy	Construction process	Own emissions	Ambient	Surface	Operation and	Sound level	Electrical and
causing substances			material	for 9.4	maintenance		magnetic fields
None	None	None			None	None	None

Marmoroc AB

15/01/2017