

# Swedish Technical Approval

## 1356/70

and decision on production control, in accordance with chapter 8, 22 and 23 §§ Planning- and Building Act (2010:900), PBL

## Marmoroc, Cladding System

### Holder

Marmoroc AB, Box 274, 731 26 Köping  
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E-mail: info@marmoroc.com, Internet: www.marmoroc.com

### Product

Ventilated cladding system consisting of unreinforced tiles made of cement and crushed marble, mounted on rails,  $t = 0,6$  mm, steel battens and brackets of thin sheet, SS-EN 10 346,  $f_{yk} \geq 270$  MPa, with corrosion protection provided by a coating of Z275. Mounting to underlying structure with fixings in safety class 2 and corrosion class at least C3 according to SS-EN ISO 12944-2. Connection details according to HUS-AMA.

### Intended use

External cladding of walls in safety class 2.

### Trade name

MARMOROC Fasadsystem.

### Approval

The product satisfy the requirements set forth in chapter 8, 4 § 2, 3, 4 PBL, in respect to and under conditions stated in this certificate, and are therefore approved in accordance with the provisions of the following sections of Boverket's Building Regulations (BBR) and Boverket's mandatory provisions on application of the European construction standards (EKS):

#### BBR

Exterior walls in building class BR1	5:551
Eterior walls in buildings in classes BR2 and BR3	5:552
Moisture safety	6:53
Walls, windows and doors	6:5324

#### EKS

Durability	Avdelning A, 7 §
Design through calculation and testing*	Avdelning A, 9 §
Calculation models and calculation methods*	Avdelning A, 10 §
Materials	Avdelning A, 11 §

\*Calculations according to relevant Eurocodes together with national application of EKS.

### Associated documents

"Marmoroc monteringsanvisning", dated 15 November 2013 by SP Certification.  
"Konstruktionsberäkningar-Marmoroc Fasadsystem", dated 3 November 2011.  
"Komplettering till beräkningar-Marmoroc Fasadsystem", dated 20 December 2013.  
Drawings according to list dated 1 November 2010.

### Control

Production control is to be performed in accordance with instructions for control dated 30 September 2000. An independent inspection body audits the control.

Control agreement: Dno. 210-96-0390

Inspection body: SP Technical Research Institute of Sweden

When the building proprietor performs inspection at the building site, he shall check the markings to ensure that the correct products have been supplied and that they are used in accordance with the requirements stated in the approval and the associated documents. He must also check that the product is accompanied by a manufacturing assurance, which certifies that the product has been manufactured in accordance with the documents on which this approval is based.

### Manufacturer

Production control includes the following site:  
Marmoroc AB, Köping.

### Marking

The product is to be marked at the factory. The marking consists of a label on every packing supplied and includes:

Approval holder/Manufacturing site  
Boverket's registered trademark  
Certification body and accreditation number  
Product type designation  
Approval number  
Consecutive manufacture no./date of production  
Inspection body

**Marmoroc AB, Köping**  
**+**  
**SP Certification 1002**  
**type designation**  
**1356/70**  
**no./date**  
**SP**

### Basis for approval

Reports F220406, 98B1,0709A, 94B1,3230E, 94B1,3230, 97B1,0442, P202850, P402398, P801399, 3P05285, PX28836A from SP Technical Institute of Sweden.

Report DTI 252-5-5262 from DTI Building and Technology.

Research protocol no. 51 112 from the Swedish Corrosion Institute.



### **Comments**

This approval supersedes the previous approval with the same number dated 31 August 2011, valid through 7 October 2013.

### **Period of validity**

This approval is valid until 23 June 2019.

The validity of this approval expires when the product shall be CE-marked according to the Construction Products Regulation (EU) 305/2011.

### **SP Technical Research Institute of Sweden Certification**

Krister Svensson

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