WINDOW MOULDINGS

Window moulding 121 × 14.5 × 3.9 cm

Window moulding

MINERAL PERLITE GRANULATE | GRANULAT DE PERLITE | REACTION TO FIRE A2-S1, D0



IDENTIFICATION

Dartank reference	**D8ML401**
Dartank EAN	**3701839306161**
Material	**Mineral perlite granulate**
Sales unit	**Linear metre**

OVERVIEW

Overview

Lightweight mineral material made of bonded, thermally hardened hollow silicate microspheres (perlite). Classified A2-s1, d0, it suits window surrounds, sills and facade panels, including on external insulation; it is glued and then painted with a suitable facade paint.

KEY BENEFITS

01
Non-combustible
Class A2-s1, d0 to EN 13501-1.

02
Mineral
Natural-origin perlite granulate.

03
Lightweight
About 550 kg/m³, bonded without a support structure.

04
Durable
Weather-resistant and waterproof.

05
Stable
Very low shrinkage and low thermal expansion.

06
Easy to work
Cut with a saw using standard tools.

PRODUCT CHARACTERISTICS

Material	**Granulat de perlite**

THE MATERIAL

Mineral perlite granulate

Facade mouldings, sills and panels machined from a mineral material based on thermally hardened perlite granulate: non-combustible, light and weather-resistant.

Composition	**Mineral perlite granulate hardened by heat treatment**
Density	**550 kg/m³**
Maximum weight per element	**35 kg**

PERFORMANCE AND TEST RESULTS

Property	Standard	Result
Reaction to fire	EN 13501-1	**A2-s1, d0**
Compressive strength	EN 196-1	**8.3 N/mm²**
Modulus of elasticity	DIN 1048	**1.8 kN/mm²**
Weather resistance		**Weather-resistant, waterproof**
Thermal conductivity	DIN 4108	**0.16 W/(m·K)**
Coefficient of thermal expansion		**0 1/K**
Temperature resistance		**100 °C**

INSTALLATION

Installation

1. **Temperature** Minimum application and substrate temperature: +5 °C.
2. **1. Substrate** Flat, load-bearing, clean and dry; prime absorbent substrates; new renders: at least 14 days curing.
3. **2. Cutting** Saw flat using a mitre box or carbide-tipped saw; ease the edges and remove dust.
4. **3. Bonding** Double-sided bonding (element and substrate) with a 10 × 10 mm notched trowel and a perimeter bead; press and slide until adhesive squeezes out, joints closed on all sides.
5. **4. Mechanical fixing** Additional dowel fixing required for elements of 5 kg or more with a projection of 50 mm or more.
6. **5. Finishing** Paint with a suitable facade paint (base, intermediate and finish coats).

QUANTITIES

COVERAGE PER LINEAR METER — 5% cutting waste

LENGTH	BILLED	BARS
2 ml	2.1 ml	2
6 ml	6.3 ml	4
12 ml	12.6 ml	7
24 ml	25.2 ml	13

WARNING

- **Adhesion test** Carry out an on-site adhesion test before installation.

Non-contractual document. Values are given for guidance; official documents are available on request.