

Promat

DALFRATHERM®-1200 ULS paper is manufactured using an optimized production process to manufacture uniform, lightweight, low shot and flexible paper-like products.

ULS stands for Ultra Low Shot and DALFRATHERM®-1200 ULS paper is made out of a true Generation III, ultra clean and fine bulk fibre.

Typical applications

- Filler for expansion joints between pre-casted shapes and IFB linings
- Gasket for domestic appliances
- Thermal insulation in automotive heat shields
- Non-ferrous molten metal handling
- General technical insulation of furnaces and technical installations

Benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- High handling strength
- Close dimensional tolerance
- Smooth surface and low dust
- Easy die-cutting for high temperature gaskets
- Excellent thermal stability

As a result of the Ultra Low Shot technology, DALFRATHERM®-1200 ULS paper has a very smooth surface, close dimensional tolerances, exceptionally low dust, high handling strength, exceptional thermal insulating performance and retains reversible flexibility after compression.

DALFRATHERM®-1200 ULS paper is very flexible and resistant to tearing and particularly suited to all applications requiring further processing (laminated composites, die-cutting, rolling, folding).

The paper rolls are ideal to use in industrial furnaces like expansion joints for insulating firebrick of castable linings. Its non-wetting properties make it an ideal product for use in contact with molten aluminium.

DALFRATHERM®-1200 ULS paper is available in a wide range of dimensions and densities. All products have been developed to meet requirements specific for the final application.

Type

Paper manufactured from Alkaline Earth Silicate (AES) high temperature insulation fibres.

Temperature range

DALFRATHERM®-1200 ULS paper has a classification temperature of 1200°C and are recommended for continuous use up to 1050°C in clean oxidizing atmospheres.

Promat**DALFRATHERM®-1200 ULS**

1200°C

**Grade**

AES, low biopersistence

Colour

white

Classification temperature

°C (°F)

1200°C (2192°F)

Continuous use temperature

°C (°F)

1050°C (1922°F)

Density

EN 1094-4

kg/m³

190 - 210**Tensile strength**

GB/T 17911

kPa

Thickness 1 - 4 mm

> 400

Thickness 5 - 6 mm

> 650

Linear shrinkage

GB/T 17911

%

12h@1100°C (2012°F)

<2

Thermal conductivity

ASTM C201

W/m.K

200°C (392°F)

0,05

400°C (752°F)

0,07

600°C (1112°F)

0,10

800°C (1472°F)

0,13

1000° (1832°F)

0,19

1200° (2192°F)

Chemical composition

GB/T 21114

%

SiO₂

63-68

CaO

26-33

MgO

3-7

Others

< 0,8

Availability**Standard Rolls****Jumbo Rolls****Thickness mm (inch)****Length in mm (inch)****Width mm (inch)****Length in mm (inch)****Width mm (inch)**

1 (0,04)

60000 (2362,2)

610 (24,02)

200000 (7874)

1220 (48,04)

2 (0,08)

30000 (1181,10)

610 (24,02)

135000 (5314,95)

1220 (48,04)

3 (0,12)

20000 (787,40)

610 (24,02)

90000 (3543,30)

1220 (48,04)

4 (0,16)

15000 (590,55)

610 (24,02)

68000 (2677,16)

1220 (48,04)

5 (0,20)

12000 (472,44)

610 (24,02)

54000 (2125,98)

1220 (48,04)

6 (0,24)

10000 (393,70)

610 (24,02)

45000 (1771,65)

1220 (48,04)