

# PROMASPRAY®-P400 (UL Type PC4C)

Vermiculite & portland cement based wet mix spray



File R16824, Type PC4C



## Product description

PROMASPRAY®-P400 (UL Type PC4C) is a Portland cement based, spray applied fire resistive material. It is a medium density wet mix product designed to provide fire protection for structural steel in commercial and high-rise construction.

The durable surface of the product makes it well suited for application in areas which may be subjected to higher levels of abuse.

## Fire resistant applications

The product is suitable for internal and external use for fire protection of:

- Steel structures

## System advantages/customer benefits

- Structures protected with PROMASPRAY®-P400 (UL Type PC4C) can provide fire resistance for up to 240 minutes in accordance with ASTM E119 (UL 263).

## Test certificate / approval

PROMASPRAY®-P400 (UL Type PC4C) is assessed by UL-listing. Loadbearing steel, loadbearing concrete elements and loadbearing flat concrete profiled sheet composite elements are tested in accordance with applicable US standards (ASTM). Depending on the applied layer thickness and area of application, fire resistance 30 minutes to 240 minutes can be achieved.

## Top Coating

Cafco® TOPCOAT 200 may be used as protection from frequent wash down, long term chemical spills, or for improved resistance to fungal, algal and bacterial growth.

## Packaging

- 20 kg plastic bags
- 50 bags/pallet

Subject to change.

## Storage

- Store in cool and dry conditions
- Protect from moisture
- Shelf life of original sealed containers at least 12 months
- Once opened, bags should be finished swiftly

## Safety instructions

- Keep out of reach of children.
- Avoid contact with food or beverages
- Please refer to the safety data sheet for additional advice

### Material properties

<b>Surface burning</b>	0 flame spread, 0 smoke <sup>(2)</sup> developed (accordance with ASTM E84)
<b>Density</b>	473kg/m <sup>3</sup> in accordance with ASTM E605
<b>Cohesion/Adhesion</b>	2879psf (137.86kPa) <sup>(2)</sup>
<b>Deflection effect</b>	No cracks or delamination <sup>(2)</sup> in accordance with ASTM E759
<b>Impact resistance</b>	No cracking, delamination <sup>(2)</sup> in accordance with ASTM E760
<b>Compressive strength</b>	4242psf (203kPa) <sup>(2)</sup>
<b>Air corrosion resistance</b>	0g/ft <sup>2</sup> (0g/m <sup>2</sup> ) <sup>(2)</sup> in accordance with ASTM E859
<b>Corrosion resistance</b>	Does not promote corrosion of primed steel <sup>(2)</sup> in accordance with ASTM E937
<b>Combustibility</b>	Non-combustible <sup>(2)</sup> in accordance with ASTM E1354

<sup>(1)</sup> Standard performance based on General Services Administration AIA/SC/GSA/07811 except for density, which is based on UL. Refer to UL design for density requirement

<sup>(2)</sup> Values represent independent laboratory tests under controlled conditions.

All physical and mechanical values are averages based on standard production and tested according to internal procedures. The typical values are given for guidance. The figures can change dependent on the test methods used. If a particular value is of prime importance for a specification, please consult Promat Technical Department.

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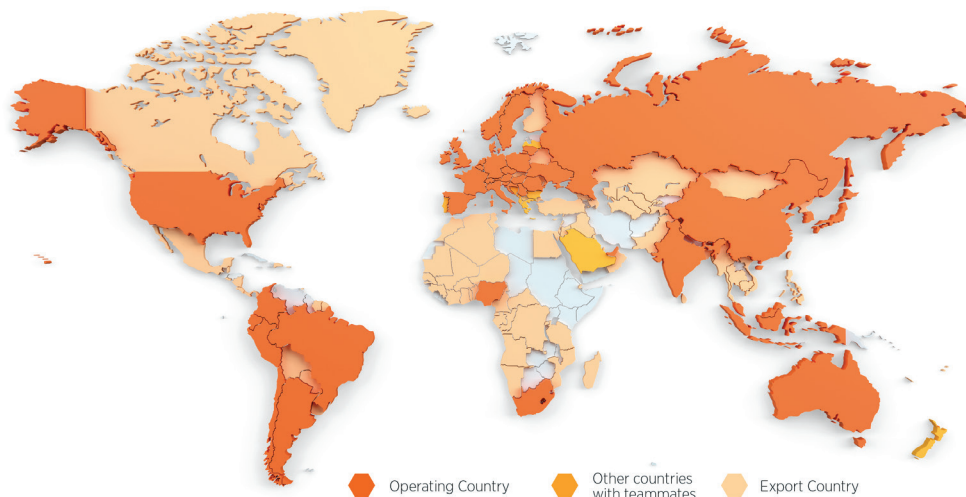
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Etex is an international building materials specialist; the company wants to inspire people around the world to build living spaces that are ever more safe, sustainable, smart and beautiful. Founded since 1905 and headquartered in Belgium, Etex currently operates more than 110 sites including plants, quarries and offices in 42 countries with over 11,000 employees globally.

Etex fosters a collaborative and caring culture, a pioneering spirit and a passion to always do better for its customers. Building on its experience and global market needs, the company strives to improve its customers quality of living with ever more effective lightweight solutions.

Its three R&D centres support four global sales divisions:

- Building Performance: Leader in plasterboards and fibre cement boards, and the global reference in passive fire protection solutions for the residential and commercial segments.
- Exteriors: Provider of innovative, durable, high performance and beautiful fibre cement exterior materials for architectural, residential and agricultural projects.
- Industry: Front runner of engineering expertise to drive the future of high performance thermal and acoustic insulation as well as passive fire protection in the industrial, aerospace and energy sectors.
- New Ways: As a new division created in January 2020, New Ways offers high-tech offsite modular solutions based on wood and steel framing.

Etex is Inspiring Ways of Living, for more information, please visit our website: [www.etexgroup.com](http://www.etexgroup.com)