

# PPG RAVEN® 430

## DESCRIPTION

Two-component, 100% solids, flexible epoxy coating with moderate chemical resistance

## PRINCIPAL CHARACTERISTICS

- Good chemical resistance
- Tough, flexible, and impact resistant
- Excellent adhesion

## COLOR AND GLOSS LEVEL

- Light blue

## BASIC DATA AT 72°F (22°C)

Data for mixed product	
Number of components	Two
Volume solids	100 ± 2%
VOC (Supplied)	EPA Method 24: 4.1 g/L (0.0 lb/USgal)
Recommended dry film thickness	10.0 - 120.0 mils (250 - 3000 µm) depending on system
Theoretical spreading rate	40.0 ft <sup>2</sup> /US gal at 40.0 mils (1.0 m <sup>2</sup> /l for 1016 µm)
Dry to touch	10 hours
Dry to handle	22 hours
Overcoating Interval	Minimum: Coating should no longer leave residue when touched with a gloved finger Maximum: 24 hours
Shelf life	Part A: at least 12 months when stored cool and dry Part B: at least 12 months when stored cool and dry

Note:

- Material should be stored in dry conditions, out of direct sunlight, and in unopened original factory containers, at temperatures above 60°F (16°C) and below 80°F (27°C).

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation
- Substrate temperature during application should be between 40°F (4°C) and 120°F (49°C)



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## **Steel**

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
- Immersion: Abrasive blast to achieve an SSPC SP-5 (NACE No. 1) Cleanliness
- Other Service: Abrasive blast to achieve an SSPC SP-10 (NACE No. 2) Cleanliness

## **Concrete / Masonry**

- Surface must be clean dry and sound
- Abrasive blasting, shot blasting, high-pressure water cleaning, water jetting or a combination of methods may be used
- Abrade surface to achieve a surface profile equivalent to CSP 2 to CSP 5 in accordance with ICRI Technical Guideline No. 03732

## **INSTRUCTIONS FOR USE**

### **Mixing ratio by volume: Part A to Part B 1:1**

- Mix Part A and Part B separately to ensure uniformity
- Measure out indicated volumes of both components into a clean disposable pail
- Completely mix combined components for a minimum of one minute before transferring contents to a separate, clean pail
- Continue mixing at least another minute, scraping sides and bottom, to obtain a thorough mix before application
- Properly mixed material will be a uniform color without light or dark spots
- The temperature of the unmixed material should not be above 150°F (66°C)

## **Application**

- Apply by masonry brush or steel trowel

## **Pot life**

35 minutes at 72°F (22°C)

## **Cleaning solvent**

- MEK, acetone, or xylene

## **ADDITIONAL DATA**

<b>Physical data of cured material</b>	
<b>Characteristic</b>	<b>Value</b>
Tensile Strength (ASTM D638)	2,400 psi (16.5 MPa)
Tensile Ultimate Elongation (ASTM D638)	170%
Hardness, Shore D (ASTM D2240)	73



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## Physical data of cured material

Adhesion to Concrete (ASTM D4541)

Substrate Failure

Note:

- The value ranges stated in this Product Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

## DISCLAIMER

- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your PMC representative for specific instructions and in order to make sure that the product performance can be safeguarded.
- For industrial or professional use only

## SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## WARRANTY

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## AVAILABILITY OF PACKAGING

### Packaging

- 2-gallon kits

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