

Raven 200



DESCRIPTION

Raven® 200 is a dry polyolefin additive that may be added to any properly mixed Raven 100% solids epoxy coating to increase vertical hang. It is easily added to the premixed host epoxy, increasing the sag resistance and providing additional body for touch-up or for filling voids.

TYPICAL USES

Used as a work site additive to adjust the epoxies consistency to application conditions. Add a small amount to the Raven coating to make a pourable slurry; add more to make a trowel grade grout. Typical uses include:

- Scratch coats for concrete
- Transitions
- Joint filler
- Cove base

COLOR

Raven 200 is white. The recommended addition of Raven 200 to the host Raven epoxy will not adversely affect color.

SOLIDS BY VOLUME

100% solids by volume
Volatile Organic Compounds: 0.0 pounds per gallon

FILM THICKNESS

Raven 200 is used to thicken the Raven coating to meet application requirements.

COVERAGE

Reference the host Raven coating's Technical Data Sheet for theoretical coverage. Actual surface coverage will depend on the size of the holes filled and surface roughness.

APPLICATION

Apply filled epoxy to the surface by brush, trowel, roller, squeegee, putty knife, scraper or other suitable method. For best results, apply this product to concrete when its temperature is stable or falling.

THINNING

Do not thin with solvents.

MIX RATIO

Typical use level for Raven 200 is 0.5 pounds per gallon of Raven epoxy coating. It may be used from 0.25 to 2 pounds per gallon. Highly filled mortars should be top-coated with standard coating for best chemical resistance.

HAND MIXING

Raven 200 is a dry compound and is easily added to any premixed host Raven 100% solids coating with a power mixer. Follow standard procedures to thoroughly mix the host epoxy.

Add Raven 200 to the mixed host epoxy under agitation until it reaches the desired consistency. Continue mixing until the blend is homogenous and apply the filled epoxy coating immediately.

Only add to the host Raven coating after the part A and B have been mixed together. Do not add Raven 200 to individual part A or part B.

CLEAN UP

To clean skin, wash thoroughly with soap and water. Refer to the Material Safety Data Sheet for additional information on health and safety. For epoxy clean up, reference the host Raven coating's Technical Data Sheet.

POT LIFE

Reference the host Raven coating's Technical Data Sheet for pot life information. The addition of Raven 200 will not adversely affect its working life. The working life varies depending on the amount and temperature of epoxy mixed and the ambient temperature. Longer working life is attained by mixing smaller batches and/or using cooler epoxy.

CURE TIME

Reference the host Raven coating's Technical Data Sheet for cure time information. As with any 100% solids epoxy system, the thin film set time varies with substrate temperature and application thickness.

RECOAT TIME

Reference the host Raven coating's Technical Data Sheet for recoat time information. Before recoating; inspect, clean and dry surface thoroughly to remove all contamination, including amine blush or condensation. If the recoat time is missed, clean and abrade surfaces prior to recoating.

SUBSTRATE TEMPERATURE

Reference the host Raven coating's Technical Data Sheet for minimum and maximum recommended temperatures.

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TEMPERATURE RESISTANCE _____

Maximum recommended dry temperature: 250°F. Reference the host Raven coating's Technical Data Sheet for maximum recommended temperatures.

SURFACE PREPARATION _____

Prior to coating, the substrate must be prepared in a manner that provides a uniform, clean, sound, neutralized surface suitable for the specified coating. The substrate must be free of all contaminants, such as oil, grease, rust, scale or deposits. In general, coating performance is proportional to the degree of surface preparation. Reference the host Raven coating's Technical Data Sheet for specific surface preparation information.

STEEL surfaces may require "Solvent Cleaning" (SSPC-SP 1) to remove oil, grease and other soluble contaminants. Chemical contaminants may be removed according to SSPC-SP 12/NACE No. 5. Identification of the contaminants along with their concentrations may be obtained from laboratory and field tests as described in SSPC-TU 4 "Field Methods for Retrieval and Analysis of Soluble Salts on Substrates". Surfaces to be coated should then be prepared according to SSPC-SP 5/NACE No.1 "White Blast Cleaning" for immersion service or SSPC-SP 10/NACE No. 2 "Near White Blast Cleaning" for all other service. In certain situations, an alternate procedure may be to use high (>5,000 psi) or ultrahigh (>10,000 psi) pressure water cleaning or water cleaning with sand injection and an approved rust inhibitor. The resulting anchor profile shall be 2.5-5.0 mils and be relative to the coating thickness specified.

CONCRETE AND MASONRY surfaces must be sound and contaminant-free with a surface profile equivalent to a CSP2 to CSP5 in accordance with ICRI Technical Guideline No. 03732. This can generally be achieved by abrasive blasting, shot blasting, high pressure water cleaning, water jetting, or a combination of methods.

AVAILABLE PACKAGES _____

Raven 200 is available in ½ pound units packed in one gallon pails and is available through Raven Certified Applicators.

SHELF LIFE AND STORAGE _____

Product shelf life is 1 year from purchase date in sealed, unmixed containers, stored in a sheltered area between 60°F and 80°F (15°C and 27°C).

SAFETY _____

Consult the Material Safety Data Sheet for this product concerning health and safety information before using. Strictly follow all notices on the Material Safety Data Sheet and container label. If you do not fully understand the notices and procedures provided on the MSDS or if you cannot strictly comply with them, do not use this product. Actual safety measures are dependent on application methods and work environment. Contact Raven Lining Systems to obtain a copy of the Material Safety Data Sheet at 800-324-2810.

Warranty and Disclaimer: Raven Lining Systems, Inc. ("Raven") warrants its products to be free of manufacturing defects in accord with applicable Raven quality control procedures and that they meet the formulation standards of Raven. To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. If, within one year from purchase, any product is proven defective, Raven, at its sole option, will either replace the defective product or refund the purchase price. This warranty is void if the product is used contrary to Raven's written directions.

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