



Raven 240

Technical Data Sheet

MANUFACTURER

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DESCRIPTION

Raven® 240 is a dry, off-white, specially blended powder that may be added to any properly mixed Raven coating to increase density. It is easily added to the premixed host epoxy, increasing build and providing additional density for filling voids, touch-up and skim coats.

TYPICAL USES

Used as a work site additive to adjust the coatings 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:

- Skim coats for concrete
- Bughole filler for concrete
- Transitions
- Joint filler
- Cove base
- Pinhole repair

COLOR

Raven 240 is off-white. The addition of Raven 240 to the host Raven coating will shift the color slightly.

SOLIDS BY VOLUME

100% solids by volume

Volatile Organic Compounds: 0.0 pounds per gallon

FILM THICKNESS

Raven 240 is used to densify 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 coating to the surface by trowel, 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. If lower viscosity is needed, heat unmixed material by placing the containers in hot tap water until the desired flow properties are obtained. To heat larger quantities, drum heaters or inline heaters on specialized spray equipment may be used. Unmixed material should not be heated above 150°F.

COMPONENTS AND MIX RATIO

Typical starting level for Raven 240 is 5½ pounds per gallon of Raven coating. It may be used from 1 to 20 pounds per gallon depending on the system.

HAND MIXING

Raven 240 is a dry powder and is easily added to any premixed host Raven coating with a power mixer. Follow standard procedures to thoroughly mix the host epoxy.

Add Raven 240 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 240 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 moderate addition of Raven 240 will not adversely affect its working life. The working life varies depending on the amount and temperature of coating mixed and the ambient temperature. Longer working life is attained by mixing smaller batches and/or using cooler material.

CURE TIME

Reference the host Raven coating's Technical Data Sheet for cure time information. As with any coating 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.

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.

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. 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 240 is available in 11 pound units packed in two gallon pails and is available through Raven Certified Applicators. Product may settle during transport. Product sold by weight, not volume.

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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