



Raven 160

Technical Data Sheet

MANUFACTURER

Raven Lining Systems
13105 E. 61st Street, Suite A
Broken Arrow, OK 74012
(918) 615-0020

DESCRIPTION

Raven 160 has been formulated to function as a high performance, one- component, moisture-cure urethane primer system designed for concrete substrates. Its low viscosity allows it to penetrate into porous surfaces leaving a bubble-free coating. In addition, Raven 160 exhibits a low sensitivity to substrate moisture leaving only minimal bubbling when applied to damp surfaces. Contact Raven for primer recommendations for various other substrates.

PHYSICAL PROPERTIES (Typical)

| <u>Description</u> | <u>Method</u> | <u>Result</u> |
|-------------------------------|--------------------|---------------|
| Tensile Strength | ASTM D412/ 638 | 3,300 psi |
| Elongation | ASTM D412/ 638 | 85% |
| Die "C" Tear | ASTM D624 | 440 pli |
| Polyurea Topcoat Adhesion | ASTM D7234 | >500 psi |
| Typical Film Thickness | DFT | 3-5 mils |
| Viscosity (75°F) | Brookfield | 425 cps |
| Flashpoint | Cleveland Open Cup | >230°F |
| <u>Processing Properties:</u> | <u>Units</u> | <u>Result</u> |
| Gel Time | @ 72° F | 1 hr |
| Tack Free Time | @ 72° F | 2-3 hrs |
| Minimum Recoat Time | @ 72° F | 2 hrs |
| Maximum Recoat Time | @ 72° F | 24 hrs |

ADVANTAGES

- VOC Exempt
- Penetrates and seals the surface leaving a smooth, pinhole and bubble free coating
- Excellent adhesion to concrete
- Good physical properties
- Outstanding stability at low temperatures

COLOR

Brown

APPLICATION

Raven 160 should be applied using a roller or airless sprayer. The best results are achieved using a roller. A second coat may be applied after the first coat is tack free.

SURFACE PREPARATION

Raven 160 adheres well to properly prepared concrete substrates. In general, sand blasting, shot blasting or high-pressure water blasting (>5000 psi) are acceptable forms of preparation. Please contact the manufacturer for specific preparation recommendations for questionable substrates and conditions.

CLEAN UP

Cured product may be disposed of without restriction. The uncured portions should be allowed to set and disposed of in a normal manner. "Drip free" containers should be disposed of according to state, local, and federal laws.

SAFETY

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

SHELF LIFE AND STORAGE

The product can be stored for six months in factory delivered, unopened drums. Keep away from extreme heat, freezing, and moisture. Proper storage temperature is between 60°F and 90°F. Ideal material storage temperature is between 60°F and 80°F

AVAILABLE PACKAGES

Raven 160 is available in 5 gallon pails or 55 gallon drums.

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.

THE AFORESAID IS THE EXCLUSIVE WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL RLS SOLUTIONS INC. BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR LOST PROFITS. NO ACTION AGAINST RAVEN MAY BE COMMENCED MORE THAN ONE YEAR AFTER THE CLAIM ARISES.