



Transportation
Sealants & Adhesives

TECHNICAL
DATA

RP-400[®] CONSTRUCTION

PLASTIC WET-DRY SURFACE ROOF CEMENT

1. PRODUCT DESCRIPTION:

RP-400 Construction Plastic Wet-Dry Surface Roof Cement is a single-component, asbestos free, asphalt based cement designed for many construction, roofing, manufacturing, and industrial applications. It has the following unique properties:

- **Use on wet or dry roof surfaces, even under water**
- **Formulated to seal quickly and will not pull apart or lose its bond**
- **Lever-lock lids on 3-gallon and 5-gallon pails for ease of resealing container and reduced waste**
- **Remains soft and pliable and resists temperature change**

Basic Uses:

- Ideal for patching and roof maintenance, sealing, and repair of roof flashings and roof seams
- Shingle tab cement
- Seals vents, pipes, chimneys, and gutters
- Seals metal building seams

Composition and Materials:

RP-400 Construction Plastic Roof Cement is an asphaltic-based material containing no asbestos fiber and a special wet application additive. This formula produces a product that will bond to wet and dry surfaces.

Grade: Gunnable, trowelable consistency

Primer: Not required on most applications.

Packaging: 10 fl. oz. cartridge, 1-gallon, 3-gallon lever-lock pail, and 5-gallon lever-lock pail

Colors: Black

Limitations: Do not paint or thin.

Do not use with single-ply membranes such as EPDM, PVC, CSPE, etc. Contains solvents that may craze some plastic materials. Do not apply at temperatures below 35 F (2 C).

2. TECHNICAL DATA: (See chart on back.)

3. INSTALLATION:

Surface Preparation: For best results, remove dust, dirt, and loose materials with a stiff brush or broom. Remove old sealant or roof coatings. Surfaces must be clean.

Application and Tooling: Apply with standard caulking gun, trowel, or putty knife, tooling into seams and cracks. Extend RP-400 coverage 3" to 4" beyond problem area to insure seal. Apply at a rate of 1/8" per coat, not exceeding 1/4" in thickness. Geocel 1200 Poly Mesh Fabric or similar material is recommended to be used in areas with movement such as cracks, seams, or flashing. Allow 24 hours to cure. Inspect and re-coat if necessary. When application is to take place at temperatures below 50 F (10 C), store RP-400 at room temperature for 24 hours prior to use for easier application.

Cleaning: Remove spilled or misapplied material from tools or other surfaces with mineral spirits or paint thinner. Observe manufacturer's precautions when using toxic or flammable solvents.

4. STORAGE LIFE: One year (unopened)

Availability and Cost: Marketed throughout the U.S., RP-400 is available from various distributors. Costs and further technical data are available from your local Geocel representative or from Geocel's corporate offices.

Warning: Harmful or fatal if swallowed. If swallowed, call a physician immediately. May be harmful if inhaled in an enclosed space. Use only in a well ventilated area. Avoid prolonged skin contact. Combustible (during cure). KEEP OUT OF REACH OF CHILDREN.

5. LIMITED WARRANTY:

Geocel Corporation warrants that the product is manufactured according to their published standards. The company guarantees for five years from the date of manufacture that RP-400 Plastic Wet-Dry Surface Roof Cement will not crack due to normal expansion and contraction and that it will not lose its adhesion or cohesion. Geocel Corporation will, at its option, either refund the purchase price of, or provide replacement for, that portion of the RP-400 which fails to perform in accordance with this warranty. Such refund or replacement will constitute the limit of Geocel's liability and obligation for any such failure. Geocel Corporation will not be liable or obligated otherwise for any loss or damage arising directly or indirectly from this product, or the use or failure thereof, whether based on breach of warranty or negligence.

6. MAINTENANCE:

No maintenance should be required. If sealant is damaged, either remove and reseal, or apply additional RP-400 over the damaged area.

7. TECHNICAL SERVICES:

Geocel representatives throughout the U.S. are available to provide technical assistance. Geocel's in-house technical staff and laboratory facilities are equipped to respond to specific requests for further information and/or applications testing.

Theoretical Yield per Cartridge

Joint Size	Linear Feet
1/4" x 1/4"	24.1
1/4" x 3/8"	16.0
1/4" x 1/2"	12.0
1/2" x 3/8"	8.4
1/2" x 1/2"	6.0

Per Pail	Square Feet
Sealant Thickness	10 - 15 sq. ft./gal.
1/8" - 1/4"	

Technical Data Averages

Weight per Gallon	8.4 lbs./gallon
Non-Volatiles	86%
Flash Point (TCC)	+103 F (39 C)
Drying Time	1 to 3 days
Consistency	Gunnable, Trowelable Mastic
VOC Content Specifications	Less than 300g/liter ASTM D 4586, TYPE I, Asbestos Free ASTM D 2822, TYPE Class II* *(wet application requirements)

Application Temperature
35 F to 140 F (2 C to 60 C)
Service Temperature
-40 F to 150 F (-40 C to 66 C)