

# TK-2102 RUBBERIZED AIR BARRIER WATERPROOF COATING

Meets Federal EPA's VOC Requirements

## Technical Data



Division of Sierra Corporation  
ISO 9001:2000 Certified

### 1. PRODUCT NAME

RUBBERIZED AIR BARRIER  
TK-2102

### 2. MANUFACTURER

TK PRODUCTS  
DIVISION OF SIERRA CORPORATION  
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Website: <http://www.tkproduct.com>

### 3. PRODUCT DESCRIPTION

TK-2102 Rubberized Air Barrier is a high performance rubberized polymer formulation. Its intended use is for residential and commercial cavity walls to prevent air and water movement, saving energy and preventing damage caused by moisture condensation such as structural damage, mold and mildew. The coating dries quickly to provide a continuous air/vapor, and water barrier. When applied at 10 to 15 mils dry, the rubberized polymer coating provides a liquid water drainage plane flashed to discharge to the exterior any incidental condensation or water penetration. It is chemically resistant to algae, bacteria, alkalis, and acids. It can be applied to brick, poured concrete, concrete block cavity walls surfaces. It can be sprayed, rolled, or brushed to give a continuous film.

### 4. TECHNICAL DATA

TK-2102 Rubberized Air Barrier is a single component liquid applied air barrier coating that is elastic and non-breathable.

#### Composition and Materials:

Rubberized polymer blend

- *Non-Volatile Content:* 48 – 50%
- *Color:* Pearl Gray
- *Flash Point:* Flammable, less than 100° F.
- *Drying Time:* 1 hour tack free, recoat 2-4 hours, full cure in 4-8 hours.

### Applicable Standards

TK-2102 Rubberized Air Barrier meets or exceeds the following standards.

- ASTM E 96-80 Water Vapor Permeance
- ASTM E283 Air Leakage
- VOC - Less than 600 grams per liter.
- A.I.M. Category: Waterproofing Sealer and Treatment-maximum VOC 600g/l.
- A.I.M. Definition: A coating formulated and recommended for application to a porous substrate for the primary purpose of preventing the penetration of water.

### 5. APPLICATION PROCEDURES AND INSTRUCTIONS

#### Preparation:

Before buying and using this product, read completely this product's label, technical data sheet and Material Safety Data Sheet (MSDS), available where product is purchased.

Material is ready for use, requires no mixing unless signs of separation are observed. It is unlawful to further reduce with non-exempt solvents.

A clean, dry, surface is required. New concrete should be allowed to cure until the surface appears dry. Surface should be frost free. Concrete block laid and walls poured late in the year should be allowed to gain sufficient strength for good adhesion. Existing concrete surfaces must be thoroughly cleaned prior to application.

Code requires that air barrier systems be located on the interior side of wall insulation. All masonry block and poured concrete voids, form tie holes, cracks, honeycombed areas should be filled and repaired. Mortar smears, dirt and form release agents that will affect adhesion should be removed. TK-2102 Rubberized Air Barrier should be applied directly to the clean dry concrete surface.

### Application:

A typical sprayer is 45:1 airless with a .035 – .051 tip. Brush and/or roller will also work.

### Coverage:

One coat is sufficient applied at 40-45 sq. ft. per gallon, or 35-40 wet mil film. This will give a dry film of 13 – 15 mils. Any area that is thin can be recoated.

### Limitations:

TK-2102 Rubberized Air Barrier can be applied at 0° F. to 100° F., however, it is recommended that it be applied above 40° F to ensure that the substrate is frost free and dry, not frozen.

### Cleanup of Equipment:

Use TK-00 Solvent. For sprayer, pump the solvent through the spray equipment to remove residue of materials which can clog the hose and wand assembly.

### Precautions:

TK-2102 Rubberized Air Barrier contains aromatic hydrocarbon. Keep away from heat and flame. Prevent build-up of vapors. Use only with adequate ventilation. Do not breathe vapor or spray mist. If you experience eye watering, headaches or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, increase fresh air or wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Any person using a respirator must be trained on proper respirator use. Close container after each use. Avoid contact with eyes, skin, and clothing. Wash after handling. KEEP OUT OF REACH OF CHILDREN. Do not allow vapors to penetrate into foodstuffs. TK-2102 Rubberized Air Barrier is not toxic in its cured state.



**First Aid:**

If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call physician immediately.

For further safety controls, Material Safety Data Sheets are available from TK Distributors, the TK office and the TK website. This information should be read before using this product.

**In Case of Fire:**

Use foam, CO<sub>2</sub>, dry chemical. Do not use water spray. Generic Name: Petroleum Distillates.

**Spills or Leaks:**

Contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused content in accordance with local, state and federal regulations.

**6. AVAILABILITY**

TK-2102 Rubberized Air Barrier is available through TK Distributors. Contact TK Products for the nearest distributor.

Packaged in: 55 gal. drums and 5 gal. pails.

**Maintenance**

Minimal maintenance is required. If weathering occurs to the exposed area, TK-2102 Rubberized Air Barrier can be reapplied to the affected area.

**7. CONDITIONS OF SALE/ LIMITED WARRANTY**

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**8. TECHNICAL SERVICES**

The TK office offers assistance with specifications, performance test data and field services.

**9. FILING SYSTEMS**

Information Handling Services  
PO Box 1213  
Englewood, CO 80150  
Information Marketing Services  
13271 Northend  
Oak Park, MI 48237

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10/07