



# Access Covers and Gratings

## REXUS Grating Case Study

### Worker Feedback Key to REXUS Selection

#### Primary Selling Points



ONE-MAN OPERABLE




HIGH WATER CLEARING CAPACITY

When engineers from the Public Works department in Brewer, Maine, began planning the construction of a road leading to a new medical center in 2004, one issue concerned the type of manhole covers and gratings that would be specified. Fortunately, Brewer's decision-makers had seen the Quality Water Products (QWP) road show.

QWP built a demonstration trailer that features several PAM products mounted to frames, enabling municipal officials to experience the benefits of PAM hinged covers and gratings first-hand. One of these demonstrations helped convince Brewer — a town of about 9,000 people across the Penobscot River from Bangor — to go with REXUS covers and gratings.

Safety was the key selling point. During the QWP demo, individuals who would actually be working with the covers and gratings had an opportunity to check out their lighter weight and innovative hinged design. Feedback from these front-line employees was crucial to the decision to specify REXUS.

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**Worker Safety** — The hinged design of REXUS covers and gratings delivers a quantum leap in ergonomic efficiency compared to standard alternatives. The physical effort required to lift them is reduced by 50%, and they are retained in a safe and controlled way during and after the lift. Also, the ductile iron used in REXUS covers and gratings is 50% lighter than comparable cast-iron covers, greatly lowering the potential for back injuries and the associated worker compensation claims.

- Increased Water Clearing Capacity** — With a large waterway area and longitudinal slots running parallel to the curb, the REXUS grating is designed to maximize absorption in both severe and mild flow conditions. Its hinged design ensures that the unit can be easily opened for routine cleaning — even when debris and sediment have been packed in between the grating and the frame — and also that it can be safely closed without the risk of being dropped into the catch basin.

After 41 gratings and 22 covers were installed during the 2004 road project, Brewer's Public Works department decided to designate REXUS as the sole specification for all future new construction. Since then, a resurfacing job on Brewer's North Main Street that incorporated 82 REXUS covers was completed.

There are over 6 million PAM units in the ground around the world utilizing technically advanced materials and engineering. Our focus on the needs of the end-user — rather than developing products merely to meet a minimum performance standard — led us to ductile iron, a superior alternative to cast iron in terms of weight, strength and designability.



#### Products:

REXUS 24" hinged manhole cover  
REXUS grating

#### Municipality:

Brewer, Maine

#### Local CertainTeed PAM Representative:

Quality Water Products / Bob Prescott

#### REXUS Features:

- High strength, lightweight ductile iron
- Load capacity: 100,000 pounds
- Hinged cover and grating design for easy access
- One-man operable
- Optional locking devices available
- Independently tested and certified
- Cover available in 24" clear opening
- Grating features 290-square-inch waterway area

#### Contact Information:



877.351.3323

[www.certainteed-pamcovers.com](http://www.certainteed-pamcovers.com)

