

LATTICE™



HIGH-ENERGY BREAKWATER UNITS

NatrX Lattice delivers durable, modular shoreline and riverine protection using minimal material and light industrial equipment. Its design slows water, stabilizes soils and adds extensive habitat surface for ecological growth. Natrx ExoForms™ are proudly made in Louisiana, USA.

LATTICE-24™ AND LATTICE-33™

Best suited for high energy sites and asset-protection projects.

KEY APPLICATIONS

- High wave energy environments
- Riverine environments, artificial reefs or any site requiring asset protection
- Versatile marine and terrestrial applications
- Purpose-built voids that can be tailored for desired water flow or habitat outcomes
- Ecological enhancement for breakwaters, jetties and seawalls

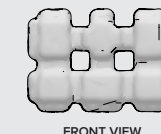
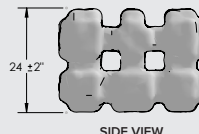
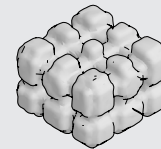
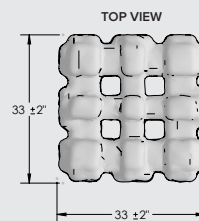
KEY BENEFITS

- Natrx ExoForm solutions use up to 90% less material compared to rock solutions
- Reduced bottom impact by up to 80%
- Less bearing pressure on weak soils
- Straightforward planning and permitting
- Modularity allows for easy installation and adjustments
- Naturalistic appearance blends in seamlessly with the surroundings
- Up to 50% increase in surface area compared with breakwaters and seawalls promotes biodiversity

INSTALLATION

Lattice offers wide-ranging benefits, including the ease of planning, installation and ongoing performance. In fact, they require significantly lighter installation equipment compared to traditional rock solutions. Deployment is possible in shorelines, rivers, asset protection zones and remote or environmentally constrained sites.

LATTICE-24™



Dimensions:
33"L x 33"W x 24"T

Weight: 1,200 lbs

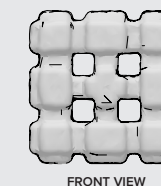
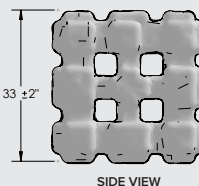
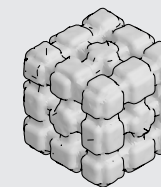
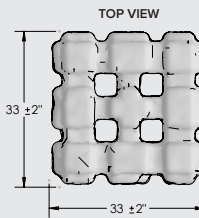
Benthic Surface Area:
49.2 ft²

Bearing Area: 7.6ft²

Bearing Pressure:
158.7 lb/ft²

Material: Concrete
(Portland-Limestone Cement Type IL ASTM C595, Mason Sand ASTM C144)

LATTICE-33™



Dimensions:
33"L x 33"W x 33"T

Weight: 2,000 lbs

Benthic Surface Area:
76.1 ft²

Bearing Area: 7.6 ft²

Bearing Pressure:
264.5 lb/ft²

Material: Concrete
(Portland-Limestone Cement Type IL ASTM C595, Mason Sand ASTM C144)

Proudly Manufactured in Louisiana, USA

LATTICE-BRUSH™

Combines the three-dimensional Lattice body with the WaveBrush™ textured crown to support attenuation and ecological lift in medium-energy marine, riverine and shoreline environments.

KEY APPLICATIONS

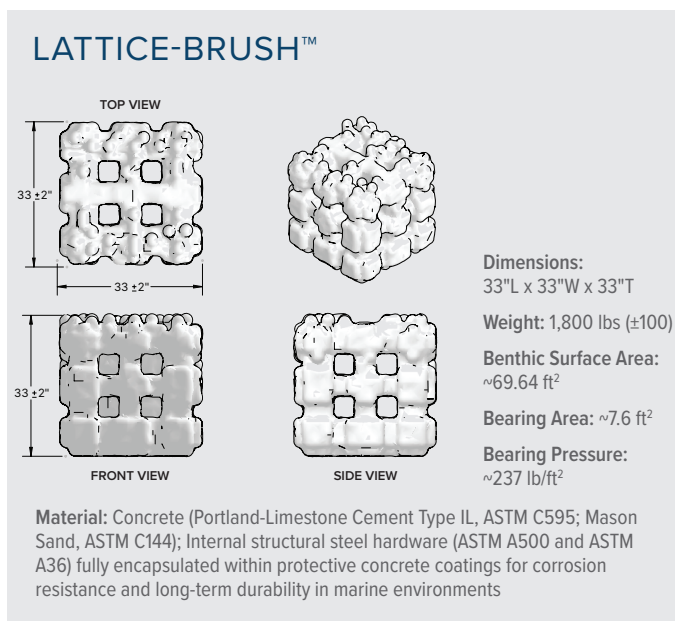
- Living shorelines and gradual shoreline rebuilding
- Artificial reefs and ecological enhancement for breakwaters, jetties and seawalls
- Asset-protection zones
- Remote or environmentally constrained sites

KEY BENEFITS

- Open 3D Lattice slows water and distributes wave and current energy through purpose-built voids tuned for flow and habitat outcomes
- WaveBrush crown increases rugosity and benthic surface while allowing water exchange for a healthy habitat
- Traps sediment and supports gradual shoreline rebuilding
- Up to 50% more surface area than typical breakwaters or seawalls — attachment points for oysters, mussels, algae and other organisms
- Reduces bottom disturbance by up to 80%; exerts low bearing pressure on weak soils
- Uses less material than rock structures
- Naturalistic, textured surfaces blend seamlessly with surroundings
- Hydro-dynamically stable in medium wave energy environments
- Monolithic, diffusion-formed and unreinforced concrete

INSTALLATION

Simply rig Lattice-Brush by running straps through the voids. Then, use light equipment to deploy the units by water or land according to plans and specifications.



Proudly manufactured in Louisiana, USA

For more information regarding Shoreline Protection, contact your local expert at info@ferguson.com or visit us at fergusonwaterworks.com.