

Technical specification sheet

Rockface unit - RF-3315

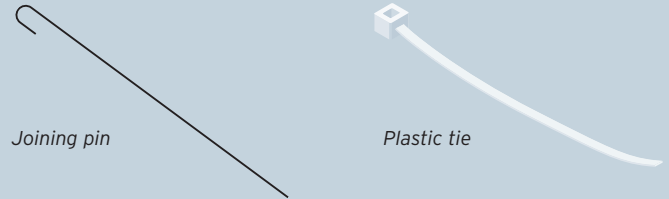
A geotextile-lined unit with 1' wide unlined front section. The geotextile-lined rear section allows the use of more economical fill such as earth, sand or gravel.

General specifications

Geotextile-lined welded wire fabric gabion with unlined front section to ASTM A 974-97. The geotextile is a heavy-duty, non-woven, permeable, polypropylene fabric, available in either green or sand color.

Lids and bases are supplied with all Rockface units. Lids and bases are pre-fitted to the units at the factory. Lacing wire and coils are supplied to close lids and bases on site.

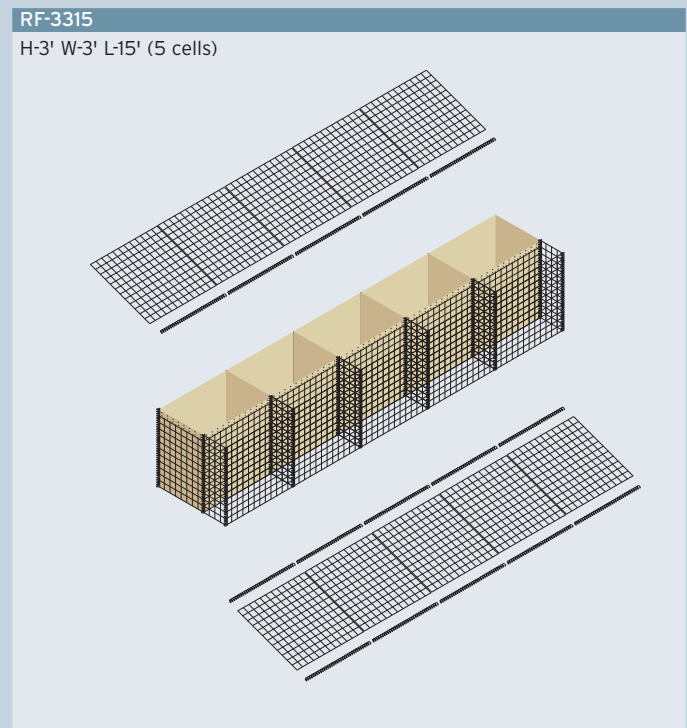
Joining pins are supplied to join units together. Plastic ties are supplied to close the geotextile together at the top of unit ends. This prevents fill material from falling between unit joints.



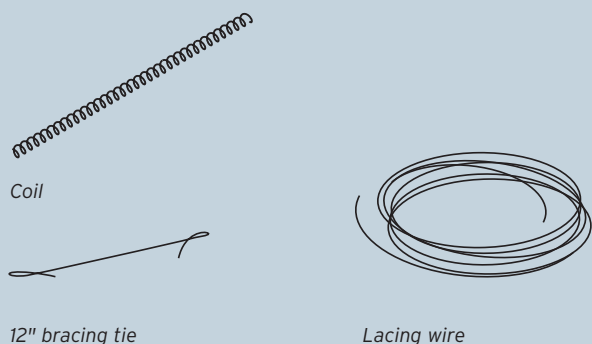
| Welded wire mesh | |
|---|---|
| Wire | |
| Wire gauge | 8.5 American SWG, steel |
| Wire diameter ¹ | 0.155"/3.937mm |
| Tensile strength of wire | 80 - 110 ksi 550 - 760 kPa |
| Corrosion Protection | Zn-5Al-MM to ASTM A 856A/A 856M-03 minimum coating weight 0.8oz/ft ² / 240g/m ² |
| Mesh | |
| Wire spacing | 3" x 3" |
| Tolerance on line wire spacing | +/- 1/8" |
| Cross wire straightness across test panel | limit of deviation 1/4" in 72" |
| Mesh strength | 70% of wire tensile strength |
| Panels | |
| Squareness | in 4' diagonals shall not vary by more than 5/8" |
| Flatness | in 6' not more than 2" from plane |

¹Wire diameter is nominal

| Geotextile | Standard | Value |
|---|-------------|-------------------------|
| Mechanical Properties | | |
| Grab Tensile Strength (Machine Direction) | ASTM D 4632 | 130lbs |
| Grab Tensile Strength (Cross Direction) | ASTM D 4632 | 160lbs |
| Grab Elongation (Machine Direction) | ASTM D 4632 | 50% |
| Grab Elongation (Cross Direction) | ASTM D 4632 | 55% |
| CBR Burst | ASTM D 6241 | 450lbs |
| Cone Drop Test | EN 918 | 24mm |
| Endurance Resistance | | |
| UV Resistance (% retained after 500hrs) | ASTM D 4355 | 70% |
| Chemical Resistance | EN 14030 | 80% |
| Oxidation Resistance | EN 13438 | 80% |
| Hydraulic Properties | | |
| Apparent Opening Size | ASTM D 4751 | 70 US Std. Sieve |
| Permittivity | ASTM D 4491 | 1.30sec ⁻¹ |
| Permeability | ASTM D 4491 | 0.24 cm/sec |
| Water Flow Rate | ASTM D 4491 | 100 gpm/ft ² |



Coils are supplied to close all bases. 12" bracing ties are supplied for the rock fill insert. Lacing wire is supplied to close all lids and to join courses on site.



The values given are indicative and correspond to average results obtained in our suppliers' laboratories and in testing institutes. The right is reserved to make changes without notice at any time.