

SANDMAT SOIL FASTENER SELECTION CHART

Selection Chart based on Soil Corrosivity

Identifier	Lightly Corrosive Soils	Moderately Corrosive Soils	Badly Corrosive Soils	Extremely Corrosive Soils
Basic soil type:	1. Sands or Sandy Loams 2. Light Textured Silt Loams 3. Porous Loams 4. Fully Oxidized Clay Loams	1. Sandy Loams 2. Silt Loams	1. Clay Loams 2. Clays	1. Muck 2. Peat 3. Tidal Marsh 4. Clays & Organic Soils
Aeration:	Good	Fair	Poor	Very Poor
Drainage:	Good	Fair	Poor	Very Poor
Color:	Uniform	Slightly Mottled	Moderately Mottled	Blue-Gray Mottling
Water table depth	Very Low	Low	2'-3' Below Surface	At surface or extreme impermeability
Fastener type recommended	Polypropylene MatStakes or Type 3 Galvanized Steel or Bezinial Coated Steel	Polypropylene MatStakes or Bezinial Coated Steel	Polypropylene MatStakes or Bezinial Coated or 304 Stainless Steel	Polypropylene MatStakes or 316 Stainless Steel only.

Notes:

1. Polypropylene MatStakes are recommended for all soil types based solely on corrosion resistance.
2. MatStakes may not be suitable for very hard, stony or rock soils. Steel staples recommended for these soils.
3. If SandMat is to be installed above gravel drainage layers we recommend that min. 8" long staples be used.
4. Longer staples (e.g. 12") or 'washed pins' may be required for very loose or sandy soils.
5. When using steel staples we recommend that min. 8 gauge steel be used.
6. Contact us for further information regarding frost heave effects.