

## Installation Guidelines

How are SPREADERSHIELD™ products applied?

### Material Handling

- SPREADERSHIELD™ material is flexible, but should be handled carefully, because the natural graphite can break. Avoid sharp bends to prevent breakage.

### Surface Preparation

- To obtain optimum adhesion of SPREADERSHIELD™ material, the product surface must be clean and dry. An isopropyl alcohol or acetone applied with a lint-free wipe or swab should be adequate for removing surface contamination such as dust, fingerprints, grease and machine oils (Figure 1). *Note: Always follow solvent manufacturer precautions and directions when using solvents.*
- Allow the surface to dry for several minutes after solvent use.



Figure 1: Surface Preparation

### Surface Adhesion

This section applies to SPREADERSHIELD™ products with an Adhesive “A” Coating and release paper on one or both sides.

1. Gently remove the release paper by pulling it away from the SPREADERSHIELD™ material.
  - SPREADERSHIELD™ material must be applied at a minimum temperature of 1.6°C.
  - Do not touch a SPREADERSHIELD™ material surface that has an Adhesive “A” Coating, because it will damage the natural graphite. The adhesive coating cannot be removed after it is applied.
2. Apply the SPREADERSHIELD™ material to the surface and press by hand, with enough pressure for the material to experience 100kPa/14.5 psi/1 bar. Rough or rigid surfaces may require more pressure (Figure 2).
  - Align the SPREADERSHIELD™ part carefully prior to adhesion. Once the material is applied, it cannot be moved.
  - The strength of the adhesive bond is dependent on the amount of adhesive-to-surface contact. High application pressure develops better contact and improves bond strength.
3. This can be followed by an additional step where a roller or press is used to apply more concentrated pressure and ensure good contact between the SPREADERSHIELD™ material and the surface. This also helps to reduce the air entrapment under the SPREADERSHIELD™ material (Figure 3).

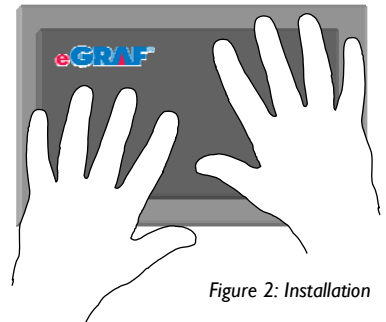


Figure 2: Installation

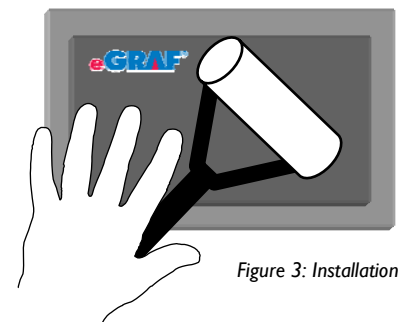


Figure 3: Installation