



# Titan Industrial Coating

## Storage, Prep, and Application Guide

### Storage Best Practices

- **Keep containers sealed.** Store Titan in original, tightly sealed containers.
- **Store at the right temperature:** 60°F to 80°F (15°C–27°C) is ideal.
- **Avoid freezing or overheating.** Extreme temperatures can affect the coating's integrity.

### Surface Preparation

Proper surface prep ensures strong adhesion and long-lasting results.

1. **Clean thoroughly.** Remove all grease, oil, dust, rust, or existing coatings using a quality industrial cleaner or degreaser.
2. **Patch imperfections.** Fill any surface defects with an appropriate filler and allow it to cure completely.
3. **Dry the surface completely.** Titan will not bond to wet or damp surfaces—moisture can cause bubbling or adhesion failure.
4. **Final wipe-down.** Just before spraying, vacuum or wipe the surface with a clean microfiber cloth to remove dust and residue.

### Mixing Instructions

Titan is a two-part system. Mixing it accurately is crucial for performance.

- **Mix Ratio: 3 Parts Titan (Base): 1 Part Catalyst (Hardener)**
- **Steps:**
  1. Pour Part A (Titan base) into mixing cup
  2. Slowly add 1 part Catalyst into 3 parts Titan.
  3. Mix for 3–5 minutes using a mechanical mixer or mixing paddle until smooth and consistent.
  4. Let the mixture stand for 5–10 minutes (induction time) before spraying.

⚠ Mix only what you can spray within 30–45 minutes. Working time shortens in higher temperatures.

### Application Settings

Titan works best sprayed with a **3M Industrial spray gun** for a smooth, professional finish.

- **Spray Tip Size: 1.4 mm**
- **Recommended Pressure:** Follow 3M's equipment guide, typically between **24–30 PSI** depending on the system.
- **Technique:**
  - Maintain a spray distance of **6–8 inches** from the surface.
  - Use smooth, overlapping passes (50% overlap is ideal).
  - Avoid staying too long in one area to prevent runs or buildup.
  - Stir mixture occasionally during use to maintain consistency.

### Pro Tips

- Always wear proper PPE and spray in a well-ventilated area.
- Clean the spray gun and any equipment immediately after use with an appropriate solvent.
- Allow sufficient dry time between coats if multiple passes are required.
- For best adhesion and durability, avoid applying in high humidity or direct sunlight.