



## Steel-Reinforced Plastic Power Trowel Blade Specification Guide

Purpose: Control black burnish-mark surface on new interior concrete floor installations using steel-reinforced plastic power trowel blades for quality control.

History: Interior aesthetically desired exposed concrete floors have become popular because of the sustainability and advanced decorative products and processes now available. Prior to the innovation of steel-reinforced plastic power trowel blades interior concrete surfaces would be carefully hand finished (labor intensive) or power troweled with steel blades leaving black burnish marks from the steel or not completely finished to a hard surface. Power trowels reduce the labor costs of installations and create a much flatter floor. Ride-on power trowels are heavier than walk-behinds and increase potential density, flatness, and hardness of the finished surface. Steel-reinforced plastic blades are available for walk-behind and ride-on power trowels. "Finish" style blades can produce a harder finish than "combination" style blades because the shorter trailing edge is stiffer.

### 03 3000 Cast-in-Place Concrete

#### Part 3 Execution

##### 3.01 Interior Concrete Floor

- A. Exposed Surfaces: Use steel-reinforced plastic power trowel blades (in lieu of steel) to control dark burnish marks on plain concrete or surface to receive: stain, dye, shake-on, integral pigments, polished, or {other}.
1. "Poly Pro" steel-reinforced power trowel blades by Wagman Metal Products Inc. [www.wagmanmetal.com](http://www.wagmanmetal.com)

Note: Poly Pro trowel blades are the basis for CSI's 2010 Construction Technology Award



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