



Pans and Blades Selection Guide

For best jobsite performance, productivity and economics, it is critical to choose the correct pans and blades offered by MQ/Whiteman.

Our pans and blades are designed to optimize walk behind or ride-on trowel performance, selecting only the highest quality materials and manufacturing processes.

Blade and pan performance including life expectancy depends

on many factors outside our material and manufacturing control, such as ambient temperature, concrete mix specifications, type and weight of finishing trowels used, site preparation including concrete screeding and strike off methods. Finally, square footage to be finished in relation to the amount of finishing personnel/machines available to complete the job will greatly affect your productivity rate. None of these factors were included in the following selection recommendations.

What type of blade or pan to choose for a specific job?



Domed Float Pans

Designed to compress/compact the aggregate during initial trowel operation bringing the cream to the surface.

Beveled edges prevent the pans from digging into the concrete. Domed pans have a maximum rise of .188-.312" from the edge to the center. This process increases floor flatness as well as decreases drying time. Optional Z-Clip pans are offered. The clip retains and secures the pan to the spider blades when the trowel is lifted or transported. May be used bi-directional. Choose from 4-6 blade stop designs depending on your trowel's spider configuration. For extra durability, these pans are made from high strength 10-gauge steel. Pan sizes are available from 24-60". These pans offer a more versatile use for different applications.

Super Flat Float Pans

Designed for cutting high spots on the surface. High spots are often a result from inaccurate screeding or lack of bump cutting. These pans help to achieve flatter floors, while increasing productivity. Operator can wait longer before getting on to the slab. Super flat pans have a rise of .000-.125" maximum from the edge to the center and are made of high quality, high strength steel. Super flat pans can be used bi-directional. Available with Z-Clips with 4-6 blade stops. Sizes range from 36-72".

Trowel Blades

Whiteman steel trowel blades use a torque flex steel. Torque flex steel is specially formulated to provide the most wear-resistant, high-performance power trowel blade available. We give you more options with different performance levels for a variety of needs. Specific blade specifications are as follows: Standard finish (.062") standard combo (.075") and extended like Enduro (.092"). Enduro blades can add up to 25-50% longer life over the standard models. All Whiteman rivets are precisely sized and pressed to securely attach the mounting bracket to the blade, preventing separation. Mounting brackets are made on a state-of-the-art bar system, ensuring every blade fits your power trowel the same. The holes are tapped with precision to provide the best possible fit to the power trowel. From raw materials to finished product, Whiteman trowel blades are made to provide the most balanced-wearing blade possible. Whiteman blades are designed to meet the demands of a ride-on trowel, while providing superior performance with walk behind trowels.



Float Blades

Similar to float pans, float blades knock down aggregate and bring the cream to the top in the early trowel stage. While running flat, the angled edges prevent the blade from digging in. Blades are available with clips to fit onto finish or combination blades. This option speeds up the blade changeover without having to remove the blade bar from the spider arms. Float blades edges can be used on both edge sides for extra-long life and maximum square foot production.



Poly/Plastic Blades

When finishing with steel blades, undesirable dark burnishing marks from these steel blades can leave discolored concrete surfaces. In some applications, this discoloration is undesirable and not acceptable. Architectural or decorative colored concrete can also be negatively affected, emphasizing portions of the colored floor for visual appearance. To control these dark burnish marks, and to create an even, aesthetically desired colored concrete floor, the use of poly/plastic blades is recommended. Poly/Plastic blades are also the desired option for epoxy applications.



Combination Blades

A versatile design combines the features of a finishing and float blade into one design. Beveled sides and one beveled edge provide the float properties, while the flat edge allows pitching for finish operations. The use of combination plates provides the contractor with the optimum productivity on the jobsite.



Enduro Blades

Made of thicker (.092"), high chrome and carbon content materials, these blades offer more durability and blade life by increasing abrasion resistance. Enduro blades when used on mechanical ride on trowels enhance the steering system for less operator fatigue. Because of the heavier weight, Enduro blades tend to be a bit stiffer. While requiring more investment at acquisition time, field tests have demonstrated 25% to 50% longer life span than most other blades. Considering less downtime to swap blades during trowel operations, enduro blades are an excellent investment for performance, durability and productivity.



Finish Blades

Used mostly for the final finishing process. Available with either square or rounded corners, flat or angled side edges, these plates provide the extra strength and flex when pitched for maximum pressure on the concrete surface.



These basic definitions are all relative to the many conditions, concrete mix specifications and work environment on any jobsite and actual performance results may vary. All opinions and comments as stated are a guidelines for general blade and pan usage. Statements and comments are the result of vigorous field testing and our Whiteman experience of over 75 years as a world leading brand in power trowels and power trowel finishing authority.