

HSI Product Datasheet

Product: NE-516 Cyclone Mixing Paddle



Description:

The NE 516 Fiberglass taper is an extended shaft, pivotable mixing blade designed to conform to the bottom and sides of the mixing chamber ensuring a much faster mixing speed and wiped interior (container) surfaces. High technology UHMW blade material ensures easy cleaning by use of a self lubricating substrate. Cleaning time is far superior to any other mixing paddle available.

Application:

Used with quick set drywall, plaster, EIFS and other materials, premixed or otherwise powdered, liquid or gelled compositions.

Technology:

Current technologies consist of rigid metal or plastic fixed frame. Certain paint mixers offer winged rotating blades which work well with thin self drawing liquids which move easily into the path of the plastic fins. This method is not conducive to mixing heavier powdered, sanded or cement based materials.

Speed:

60% faster than hand stomper.
10%- 20% faster than Sheetrock “4-Post” paddle.
25% faster than typical steel “box” mixing paddle.

Cleaning Time: 10 – 15 seconds with powdered, premixed or cement based material.

Cleaning:

Clean the paddle by holding it like a drywall “stomper” and rapidly “stomp” it up and down in an empty bucket of water.

(More information available on following page)



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Options:

Smaller mixing blades available for high speed drills (see chart below).
Quick change drill socket will be available Q2 of 2010.

Ordering:

During the development of the Cyclone paddle it was quickly learned that the configuration of the pivoting blade was too powerful in many applications. As a result, when mixing thin material, the contents of the bucket would be sent flying over the sides of the bucket.

To remedy this situation, the Cyclone standard paddle is fitted with the NE-AP01 mixing blade design. Being an all purpose blade, most users have found it to be the best blade suited to their choice of materials and mixing style.

The chart below provides other blade designs appropriate for various materials, viscosities and drill rpm specifications. Earlier claims made for mixing and cleaning times were based on the NE-AP01 blade. Special order blades may have slightly faster or slower speeds.

Paddle is designed for a standard 1/2 inch drill chuck.

Drill Speed:	Premix	Powder	Paint	Thin Texture
Variable	NE-AP01	NE-AP01	NE-AP01	NE-AP01
450 rpm	NE-AP01	NE-AP01	NE-AP01	NE-AP01
650 rpm	NE-AP01	NE-AP01	NE-AP12	NE-AP01 / AP12
750 rpm	NE-AP01	NE-AP01	NE-AP12	NE-AP01 / AP12
850 rpm	NE-AP01/ NE-AP12	NE-AP01/ NE-AP12	NE-AP12	NE-AP12
900 rpm	NE-AP12	NE-AP12	NE-AP12	NE-AP12

Powdered texture materials should be premixed the day before and allowed to sit to eliminate “small lump” problems when shooting texture. For those times when premixing is not possible the NE-AP24 blade is recommended.

Cement and EIFS materials are best suited to the standard NE-AP01 mixing blade