



Highlights

- No scratching
- Less sub-surface damage
- No hard-packing
- Less abrasive waste
- Increased removal rate
- Easier post-lap cleaning
- Non-corrosive

Lapping and polishing additive (recirculating)

VECTOR HTN

VECTOR HTN was developed for use in “high-speed recirculating” and “high-speed once-through” slurry pumping systems. Utilizing the energy of a high-speed pump, standard on most lapping machines, it evenly disperses aluminum oxide, cerium oxide, silicon carbide, boron carbide, and garnet abrasive. It also reduces abrasive usage by eliminating “hard-packing” and waste. Note: VECTOR HTN should not be used in “low shear” mixing / pumping systems.

Typical applications

Gallium arsenide, germanium, sapphire, silicon, silicon carbide

Slurry additive	Base material	Dilution ratio	pH value	Specific gravity
VECTOR HTG	Water	75:1	9.8	1.03
VECTOR HTI	Water	400:1	12.3	1.02
VECTOR HTN	Water	20:1	9.0	1.00
VECTOR HTS	Water	25:1	9.0	1.00



VECTOR HTN lapping additive is designed for high-speed recirculating systems.



VECTOR HTN improves the lapping process by reducing variability, and lowers cost through reduction in required abrasives.



Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview

Product specifications

Base material Water
Shelf life 24 months

Order information

Packing Product is available in 5-gallon pails and 55-gallon drums. Other sizes available upon request.
Unit of measure Gallon [gal]

Application recommendations

Handling VECTOR HTN is used at approximately 5 % (by volume) with deionized (DI) water or tap water. After HTN is proportionately mixed with the water in the slurry tank, add the abrasive. The slurry will be ready for use almost immediately.

Start grain loading 400 g/liter of water for a one-meter machine. Flow rate for the slurry should be approximately 300 ml/minute for a one-meter machine.

Storage Product should be stored in a temperature controlled environment. Prolonged exposure to temperatures at or below 32 ° Fahrenheit (0 °C) is discouraged. Prolonged exposure to temperatures at or above 100 ° Fahrenheit (38 °C) is also discouraged. In addition, material should always be sealed when not in use to prevent evaporation.

Disposal Dispose of in accordance with all applicable local regulations.

This product is manufactured by Intersurface Dynamics.

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