

## EternAloy® "Hard 'N Tough"

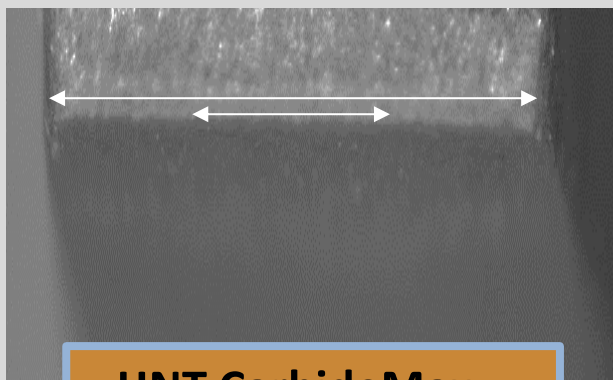
*Allomet's EternAloy® HNT Disk and Tips for Circular Saws are produced utilizing powdered metals that possess extreme combined hardness and toughness properties that deliver exceptional wear performance. EternAloy® HNT powders are produced from a patented and proprietary powder metal production method known as "Tough-Coated Hard Powder (TCHP)" process technology that provides material strength, durability and wear-resistance properties never before attainable.*



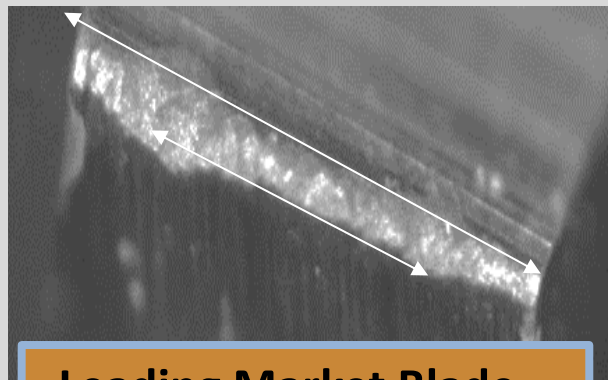
- HNT Carbide Max (Plus 4X tool life) in Fiber Cement Board and Composites
- Significantly less chipping with higher quality of cut
- HNT CarbideMax tip brazed on steel body for improved wear resistance and toughness over standard carbide blades
- Tips can be ground with standard CNC top, side and face carbide grinding equipment

## Demonstrated Product Performance Benefits

### 4X Less Knife Edge Wear After Cutting 48' Fiber Cement Board

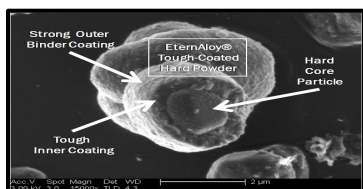


**HNT CarbideMax =  
.002" Wear**



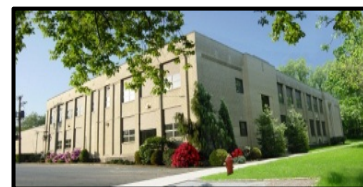
**Leading Market Blade =  
.007" to .011"**

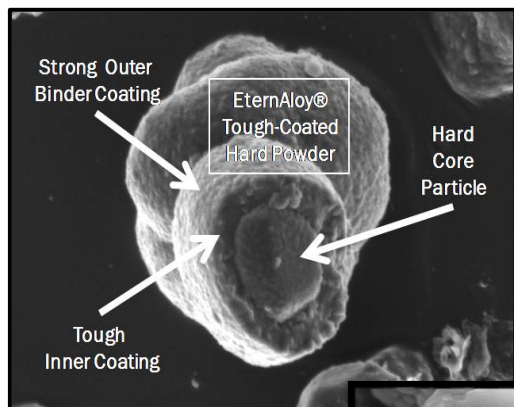
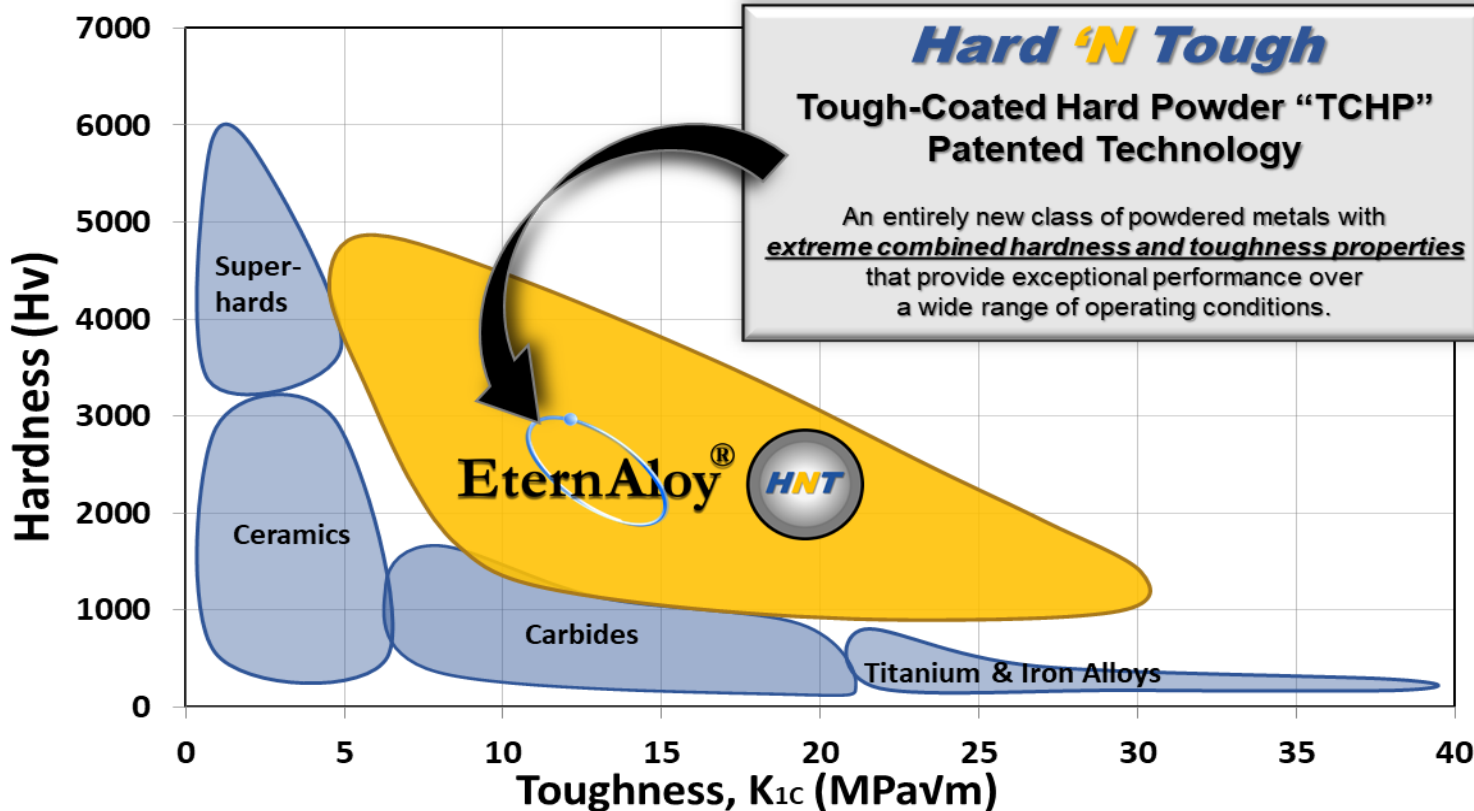
**EternAloy® Hard 'N Tough.....Taking Wear Resistance to the Extreme.™**



509 Hahntown-Wendel Road  
North Huntingdon, PA 15642  
TEL: (724) 864-4787 FAX: (724) 864-4562  
sales@Allomet.com

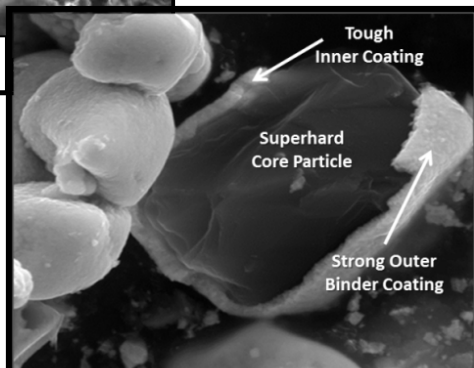
[www.allomet.com](http://www.allomet.com)





**HNT Ceramics**

(Note: EternAloy® HNT particles intentionally fractured to reveal structure of uniform protective shell)



**HNT Superhard**

- Allomet is the world's only designer and producer of nano-engineered EternAloy® HNT metallized powders, utilizing globally-patented Tough-Coated Hard Powder (TCHP) technology.
- HNT products consist of extremely hard core particles encapsulated in a very tough and uniform protective shell (and optional outer binder layer).
- HNT products can be pressed & sintered into solid shapes or applied as a surface coating to deliver exceptional wear-resistance and thermal management performance beyond other superhard, ceramics, or carbides.
- HNT grades can be provided as highly-flowable ready-to-press powders.
- HNT shrinkage during pressing and sintering is very similar to conventional carbide grades.
- HNT products have excellent adhesion with common PVD and CVD tool surface coatings.
- Custom-designed HNT development services are available from Allomet for unique applications.