

Newback[®] High Performance

Cone crushers
Gyratory crushers
Grinding mills
Flush systems
Locks and dams
At work in mines
& quarries



Excellence in Maintenance Solutions

Newback HighPerformance®

Information and Main Data

Backing system for wear plates in cone crushers and grinding mills

Compatible with all types of crushers and grinding mills

Excellent stability (volumetric) eliminates gaps between liners

Industry standard two part system backing

High performance version compound

Improved safety with low voc
High compressive strength

Excellent resistance to impact (resilience)

Lower odor and shrinkage

Excellent support and protection of wear liners

Pourable user friendly epoxy compound

100% solids for maximum protection of cone crushers and grinding mills

Excellent strength and resistance

No special tools needed

No more dangerous zinc pours

No more hazardous melting of any kind

Industry proven product in mines and quarries around the world

Convenient 2 gallon and 5 gallon kits

Dent resistant recyclable plastic buckets

Made in the USA with American components



Newback High Performance Backing Material operational benefits have proven themselves throughout the years. With an excellent performance record Newback HP Backing maximizes productivity at your mine site.



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Product Knowledge

Application Conditions

Epoxies cure faster in warm weather and slower in cold weather. Curing times are related to temperature and mass (quantity of product mixed)

The larger the mass and the hotter the temperature, the faster the cure.

The smaller the mass and the colder the temperature, the slower the cure.

Cold Weather Application

For cold weather application and reduce curing time you can warm up backing buckets in a hot water bath or by placing buckets in proximity to a heat source (radiant).

The mantles, bowls or concaves should ideally be warm if faster cure is desired.

Apply heat to the outside of the mantle or concave with a torch to heat up the piece to about 95f (35c) and a maximum of 125f (52c).

Another optional option is to use Newback HP Cold Temperature Accelerator below 41f (5c)

Warning

Do not apply direct flame of a torch to the plastic buckets.

Do not heat using metal coils of any kind directly touching the buckets.

Do not mix extra hardener, it will not accelerate the cure.

Unusual Hot Weather Application

Under very hot weather epoback system working time can be extended by two methods.

Mixing smaller quantities of product will extend the working time (less mass)

Storing Newback HP backing material buckets in a cold air conditioned place to cool them down prior to mixing.

Mixing Instructions

Mix the resin part by itself for 1-2 minutes.

Add the hardener to the resin while mixing the resin

Continue mixing for approximately 2-3 minutes and pour the mix immediately after.

Storage

Store Newback High Performance backing system in a cool and dry place around 55f - 80f (13c - 27c)

Use older product first based on manufacturing date.



Technical Information

PRODUCT	Bucket	color mixed	operating temperature f/c	impact strength ft lbs/in	tensile strength psi	compression strength psi	coverage 1/4 in thick cubic inches	hardness D shore	working time min 77f 25c
Newback H.P.	2 gallon kit	red/beige	218/103	1.7	7123	19313	340	86	20
	5 gallon kit	red/beige	218/103	1.7	7123	19313	850	86	20



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