

**Newback<sup>®</sup>** High Performance

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



Excellence in Maintenance Solutions

**Newback** HighPerformance<sup>®</sup>

## 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.**

# 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
		<b>Newback H.P.</b>	2 gallon kit	red/beige	218/103	1.7	7123	19313	340
	5 gallon kit	red/beige	218/103	1.7	7123	19313	850	86	20



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Engineering Epoxy Systems

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