

epoxa us[®] epoback[®] Crusher Backing Materials

Cone and Gyrotory Crushers
Water Flush Systems
Grinding Mills
Locks and Dams

epoxa us



Required Backing Material for Crushers

Number of 2 gallon kits (21.5 lbs. / 10 kg) of epoxack high performance (Approximate)



NORDBERG PRIMARY GYRATORY CRUSHERS

Crusher Size	HD 42-70	HD 54-80	HD 60-102
Mantle	24	39	49
Concave	69	119	177

NORDBERG WATER FLUSH SYSTEMS

Crusher Type	WF 500	WF 800
Mantle	5	8
Bowl	14	40
Bowl – using filler blocks	—	20

SYMONS CONE CRUSHERS

Crusher Size	2'	3'	4'	4¼'	5'	5½'	7'
--------------	----	----	----	-----	----	-----	----

Standard Cone Crusher

Mantle	1	2½	3½	4	3½	7½	12
Bowl Liner	1	1½	3½	4½	5	7½	15

Short-Head Cone Crusher

Mantle	1	1½	2	2	2½	3½	6½
Bowl Liner	1	1½	3	2½	5	6	9

TELSMITH GYRASPHERE CRUSHERS

Crusher Size	24	36	367	48	489	66	6614	1100	1100SX	1300	1500	1500SX
--------------	----	----	-----	----	-----	----	------	------	--------	------	------	--------

Style S

Mantle	1½	2	2	4½	4½	4	9½	2	2	4	5	6
Concave Ring	1	1¾	1¾	4	4	5½	17½	—	—	—	5	—
Medium	—	—	—	—	—	—	—	4½	4½	—	—	6
Coarse	—	—	—	—	—	—	—	4	4	4	—	5

Style FC

Mantle	1¾	2	—	2	—	9½	—	2	—	—	5	—
Concave Ring	1	1¾	—	3½	—	12	—	—	—	—	5	—
Medium	—	—	—	—	—	—	—	4	—	—	—	—
Coarse	—	—	—	—	—	—	—	3	—	—	—	—

ALLIS-CHALMERS CRUSHERS

Superior

Crusher Size	13-36	16-50	24-60	30-55	30-70	36-55	42-65	48-74	54-74	60-89	60-109
--------------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------

Mantle	5	17	18	16	24	27	37	46	46	66	90
Concave Ring	5	26	41	48	46	70	95	110	173	190	220

Hydrocone

Crusher Size	36"	45"	51"	60"	84"
--------------	-----	-----	-----	-----	-----

Mantle	1	4½	5	6	22
Concave Ring	—	9	14	36	43

EL-JAY ROLLERCONE CRUSHERS

Crusher Size	2'	3'	4'	4¼'	5'	5½'
--------------	----	----	----	-----	----	-----

Mantle	1	2½	3½	1½	2	2
Bowl Liner	1	1½	3½	3	4	4

PIONEER CONE CRUSHERS

Crusher Size	36" Standard	36" Fine Head	45" Standard	45" Fine Head	54" Standard	54" Fine Head
--------------	--------------	---------------	--------------	---------------	--------------	---------------

Mantle	1	1	1½	1½	2	2
Bowl Liner	1½	1½	3	3	4	4

TRAYLOR "TY" CRUSHERS

Crusher Size	2'	3'	4'	4¼'	5'	5½'
--------------	----	----	----	-----	----	-----

Mantle	1	2½	3½	1½	2	2
Bowl Liner	1	1½	3½	3	4	4

TRAYLOR "TC" CRUSHERS

Crusher Size	2'	3'	4'	4¼'	5'	5½'
--------------	----	----	----	-----	----	-----

Mantle	1	2½	3½	1½	2	2
Bowl Liner	1	1½	3½	3	4	4



Engineering Systems

epoxaus.com

epoxaus@epoxa.com

Texas Division

www.epoxaus.com



www.epoxaus@epoxa.com

USA

epoxa us incorporated
1400 Broadfield Boulevard
Suite 200
Houston Texas
77084
832 413 4293
832 264 5656 fax



epoback H.P. backing material from epoxa us is a proven system for over 36 years and a leader in its industry



Crusher Backing Material

epoback High Performance **backing material**

100% solids epoxy system for backing wear plates in cone crushers and grinding mills
High impact resistance and compressive strength
No gaps between liners due to volumetric stability
Easily pourable, no melting no special tools needed

Excellent resilience retaining tensile strength and compression performance
Features all legendary epoback H P operational performance

Non flammable and high impermeability

epoback locking compound

Locks the inner and outer eccentric bushings in Symons cone crushers
Performance up to 220f (104c)

epoback backing material rapid accelerator

Added to backing material resin before mixing to accelerate the cure of the system in temperatures lower than 50f (10c)
Available for all three backing systems

epoback us is a registered trademark of epoxa us incorporated.
All other trademarks are the property of their respective owners
Copyright 2017. epoxa us corporation, USA.
All rights reserved 4432-439/EUI -77177K

epoback high performance Backing Material offers:

Positive support of wear liners
Low shrinking properties to prevent voids and misalignment
No more dangerous zinc pours

Maximum performance available
Easy mixing and pouring
Excellent acquisition costs



Technical Data

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
epoback High Performance	2 gallon kit	red/beige	218/103	1.7	7128	19392	340	87	20
	5 gallon kit	red/beige	218/103	1.7	7128	19392	850	87	20

Storage

For better performance, ® Epoback ® epoxa us Backing Materials should be stored at 60°F-75°F (15°C- 24°C), at least 24-48 hours before applying. Prolonged exposure to temperatures below 50°F (10°C) may affect product performance:

- Mixing difficulty (resin and hardener)
- Difficulty to pour the mix
- Longer curing times

Application Tips

Cure time depends on temperature and quantity of product mixed (mass)
The higher the temperature and the larger the mass, the faster the cure.

Cold Weather Conditions (-50°F)

To reduce cure time under cold weather conditions use: epoback Rapid accelerator.

Extreme Warm Weather Conditions (-100°F)

To increase cure time under extreme warm weather conditions (100°F/ 38°C or higher) : mix backing material in small amounts or cool down compound.

Increasing product temperature

Warm up material : Place unopened pails in hot water or near a radiant heat source.

Warm up equipment : Bowls, concaves or mantles should also be at targeted temperature. Heat can be applied to the outside of the concave or mantle with a torch to bring its temperature up to 80°F-90°F (26°C-32°C). Do not exceed 150°F (65°C).

WARNING:

Never apply torch directly to the product containers plastic or metal.
Do not add extra hardener

epoxaus.com
epoxaus@epoxa.com

For more information please call:
832 413 4293 in the USA
832 264 5656 fax