



DHDA-100™
DOWN HOLE DEWATERING AGENT

*THE FOREMOST CHOICE TO MITIGATE THE DETRIMENTAL
EFFECTS OF WATER IN DRILLED BLAST HOLES.*

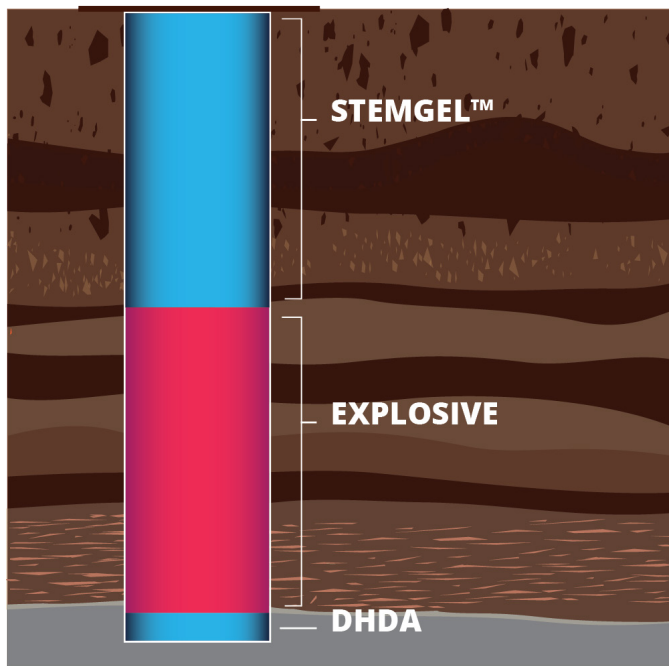
WHAT IS DHDA™?

DHDA™ is a specially formulated dewatering agent comprising mineral and polymer materials that react with water to rapidly convert it into a dry and solid structure.

HOW AND WHERE DOES IT WORK?

DHDA™ is ideal for drill and blast situations but can essentially be used to solidify residual water in any situation where water is not desired. The product is a simple and cost effective solution to down hole water as well as control of dynamic water ingress.

Once down hole water is converted to a solid, explosive can be loaded directly onto the DHDA™ deck.



The product is effective across a broad range of water qualities and is exceptionally stable. It has passed 14-day Sleep Test Trial with (AN) prill and ANFO, providing reassurance against any explosive degradation or performance changes in the event of unforeseen blast delays. The full report of this testing is available upon request.

SAFE, QUICK AND EASY TO USE

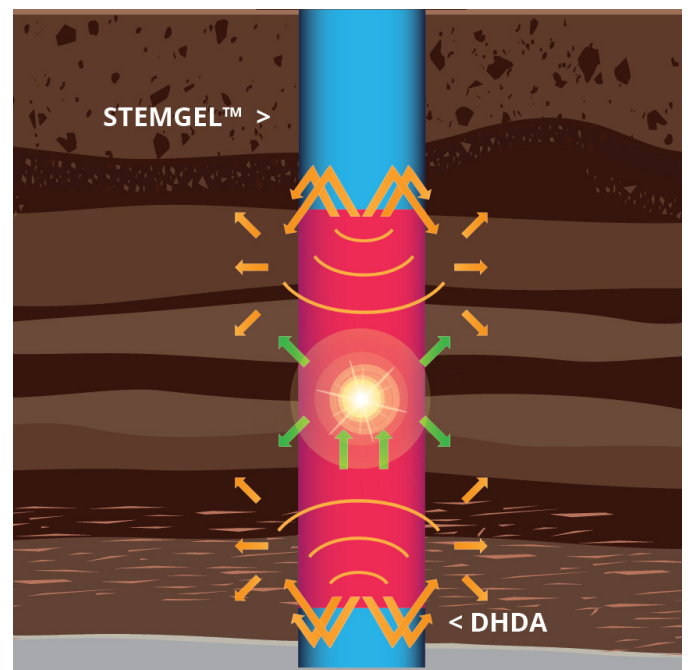
DHDA™ is quickly and easily loaded into blast holes by simply pouring granules directly into the hole. The reaction begins upon contact and penetrates the entire water column, sealing perfectly to the bore wall.

DHDA™ is compatible with all types of explosive which can be immediately loaded directly on top of the solid deck.

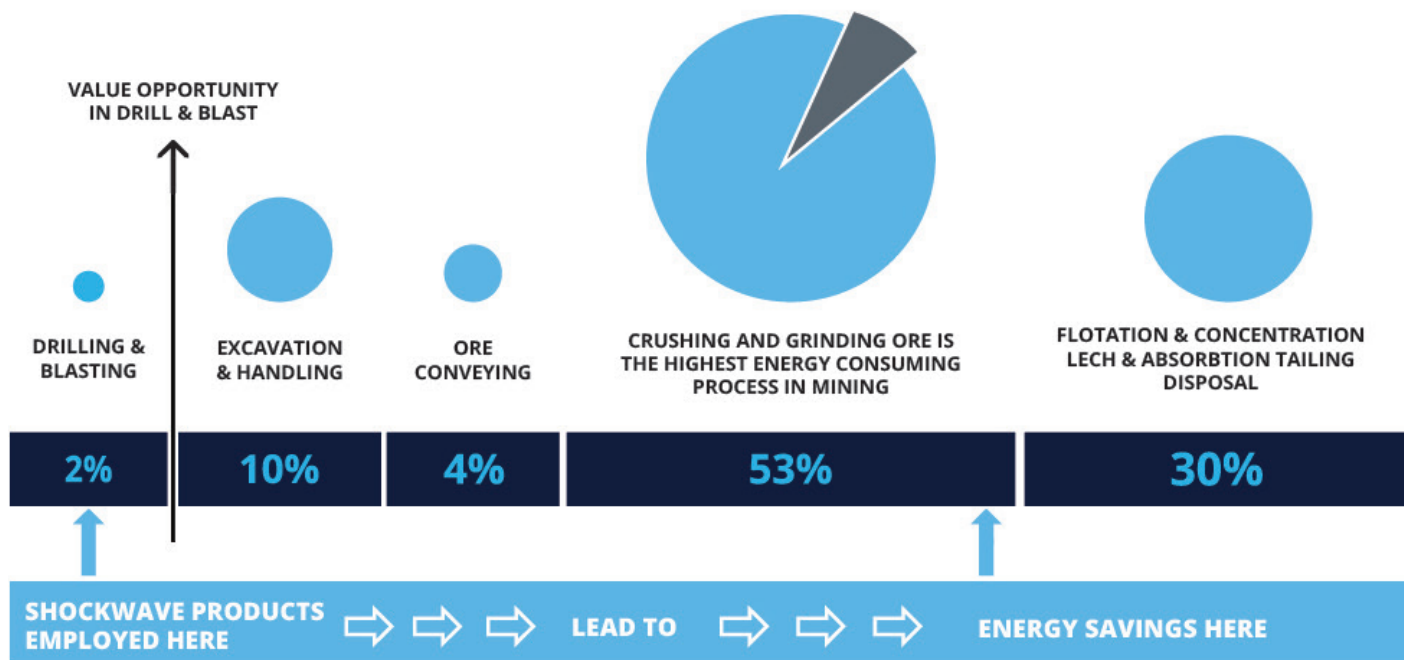
PERFORMANCE ADVANTAGES

Once set, the resulting DHDA™ deck provides a reflective surface that redirects PWave energy back into the formation, reducing lost energy at the bottom of the hole and amplifying the impact and effectiveness of the blast.

When used in conjunction with Shockwave's STEMGEL™ stemming product, blast energy can be reflected from above and below resulting in a significantly more effective blast outcome.



STEMGEL™ LEADS TO ENERGY SAVINGS



KEY BENEFITS

- Easy to pour granules
- Rapid solidification of water
- Saves time and simplifies loading
- Effective across range of water qualities
- Can be used with all explosive types
- Creates a P-wave reflecting deck
- Can improve blast results
- Environmentally friendly and non-hazardous

OPERATIONAL BENEFITS AND COST SAVINGS

By using DHDA™, numerous performance benefits are realised:

- reduction in time loading in wet holes
- ensures ANFO option is available
- reduced blasting noise and dust
- reduced oversize equating to substantial downstream savings

PLEASE CONTACT SHOCKWAVE GEL TECHNOLOGIES FOR ALL INQUIRIES AND TO VIEW THE DHDA TECHNICAL DATA AND RELATED TEST REPORTS CONDUCTED BY CURTIN UNIVERSITY AND QMR BLASTING ANALYSIS.