

Mining Solutions

Advanced Dewatering and
Filtration Solutions



 **BASF**
We create chemistry



Innovative,
sustainable,
mining solutions
for **more
efficient,
economic and
environmental
operations**

General background

BASF's Mining Solutions business offers a diverse range of mineral processing chemicals and technologies to improve process efficiencies and aid the economic extraction of valuable resources.

We provide advice and technical expertise to the mineral processing industry worldwide. Our global team is driven by a common goal to provide the best solution to meet our customer's processing needs. With technical representation in over 100 countries, BASF provides expertise on a local basis.

Our offer includes reagents, equipment, process technologies and expertise, focusing on applications such as solid liquid separation, solvent extraction, tailings management, flotation, grinding and materials handling.

BASF's dewatering and filtration solutions includes expert consultation, engineering equipment, supply and commissioning services along with on-site technical and commercial support. BASF's DRIMAX® dewatering aids are highly effective surface active agents specifically designed to reduce the moisture content of filter cakes and centrifuge solids.

Our aim is to provide innovative sustainable solutions to ensure our customers' operations run more efficiently delivering operational, economic and environment benefits.



DRIMAX[®]

DRIMAX[®] reagents are used to aid removal of residual water from the filter cake formed when dewatering a range of different mineral slurries.

Benefits Include:

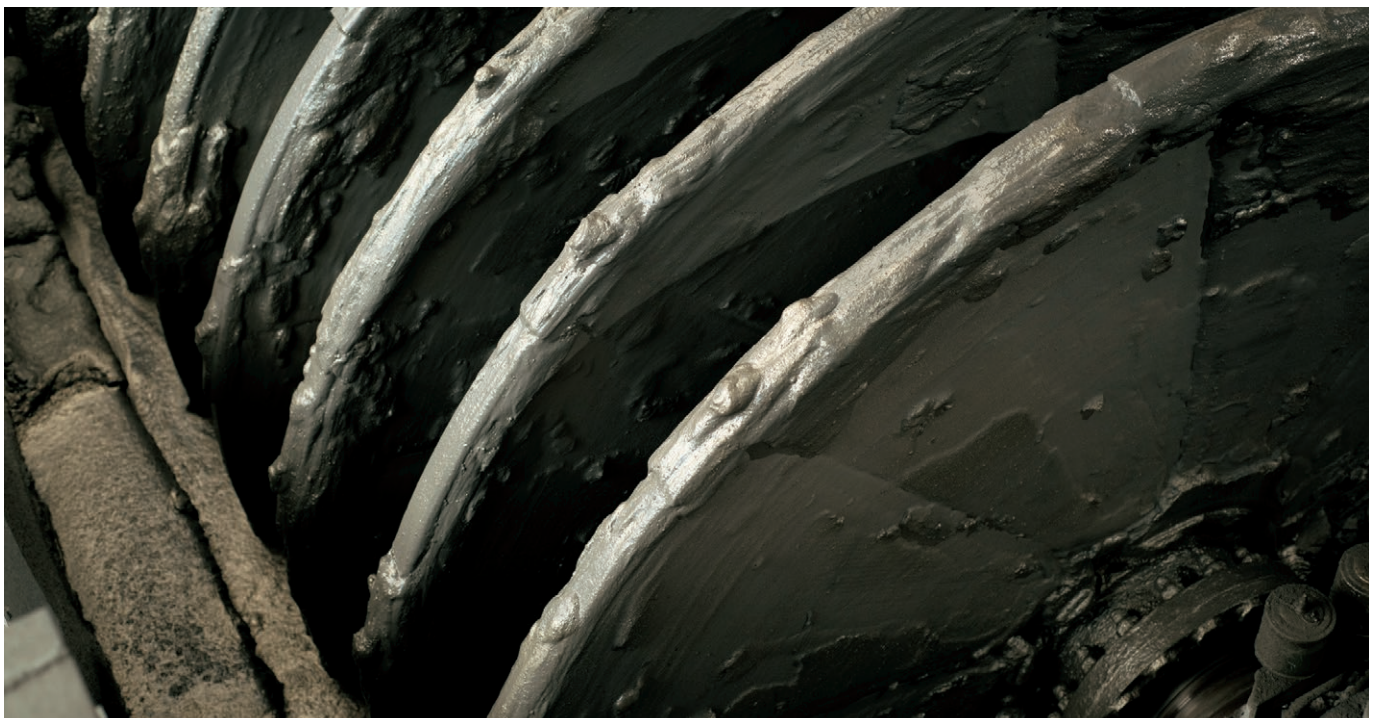
- Decreased thermal drying costs
- Reduced freight charges associated with drier mineral concentrates
- Improved solids handleability
- Ease of filter cake discharge
- Prolonged filter cloth life
- Reduced filtration cycle times

Use and Application

DRIMAX[®] products may be added either directly to the filter feed or may be added to wash water applied to the filter cake via spray bars. They can be used in a wide variety of mineral slurries from industries including alumina, copper, nickel, gold, iron ore, sand and coal.

DRIMAX[®] has been found to be successful in lowering filter cake moisture in applications such as;

- Disk filters
- Drum filters
- Horizontal belt filters
- Pressure filtration



Research and development partnerships

Our collaborative partnerships with leading mineral industry researchers keep us at the forefront of industry innovations and allow us to develop sustainable solutions to the industry's issues. Our cooperation with the industry's leading consulting, engineering and mining houses also ensures our programmes are focused on specific solutions and generate value throughout the mining operation.

Technical service, R&D, sustainability, responsible care

Innovation is at the heart of BASF's Mining Solutions business as our aim is to develop novel and innovative chemistries, product applications and processes to effectively meet the evolving challenges that the mining industry continues to face. BASF are committed to working in close collaboration with our customers, academia and global industry organizations. BASF's extensive backward integration into the building blocks of mineral processing product chemistries enables us to effectively apply our knowledge and chemical experience to develop both conventional and novel chemistries to meet the technical and commercial challenges faced by the industry, both today and into the future. Our Product Development and Technical Support personnel are located around the globe and are complemented by two BASF Global Competence Centers, based in Tucson (North America) and Ludwigshafen (Europe). With our chemistry, equipment, process and application technologies, industry experience and customer commitment, BASF can uniquely package competencies and expert offerings to effectively support the diversity of mineral processing technology developments and process challenges.

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