Grouting and Anchoring Systems

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The Chemical Company

Grouting and Anchoring Systems

Grouts are versatile construction materials used for structural stabilization and load transfer. We offer a complete line of cementitious and polymer-based grouting materials for precision machinery, grouting and anchoring. The Masterflow® range of construction grouts from BASF has evolved through over 80 years of innovation and product development.
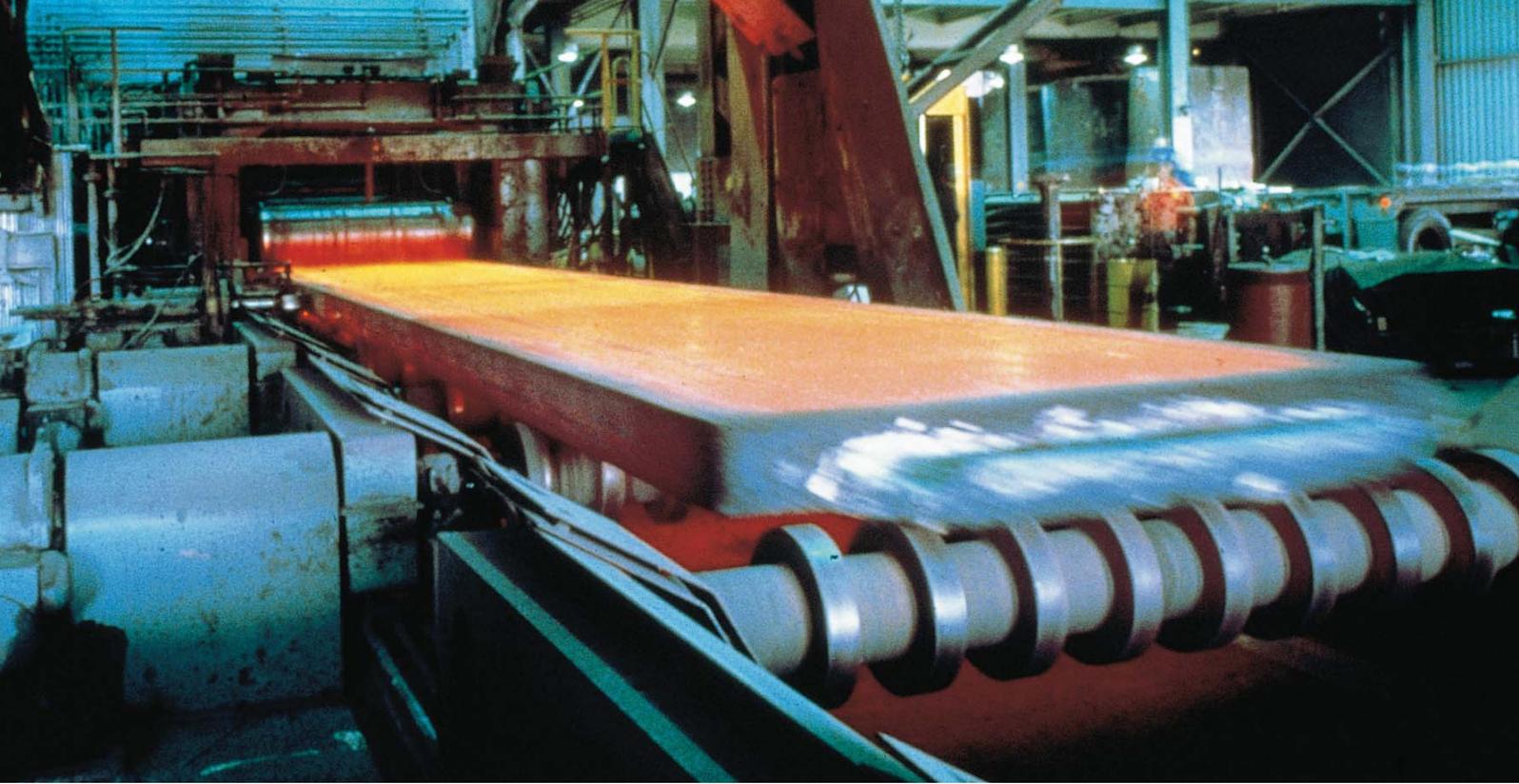

As engineering demands have increased, so have demands on grouts. Precision, dimensional stability, durability and toughness are essential qualities supplied by our products.

In response to the growing requirement for specific chemical resistance properties, the technology of Masterflow® grouts has continued to evolve, providing the engineer with the vital link between equipment and ground for all types of construction.

Our product range also includes injection grouts for stopping water ingress, vibration dampening grouts for light rail and tramways, together with a range of specialist grouts for diverse areas such as underwater construction or high strength applications.

Strength and performance you can rely on.

MASTERFLOW® Cementitious Grouts

MASTERFLOW® Cementitious grout range incorporates high flow high strength metallic aggregate grouts with dual-phase shrinkage compensation to ensure long term performance. This unique product combines the malleability of the specially treated cast iron aggregate and high early and ultimate strength to deliver a grout that is ideally suited for machinery subject to constant dynamic loading.

High flow, high strength, long working time natural aggregate grout with dual phase shrinkage compensation, ensures long term performance in all types of critical machinery grouting. This product sets the standard for natural aggregate precision grouts.

High flow, mid strength natural aggregate shrinkage compensated grouts are ideal for areas where lower strength and load transfer is required. These grouts are suitable for bulking out with aggregates to allow for very thick pours without compromising on flow or strength.

Flowable and dry packable low strength grouts are suitable for all types of general purpose grouting activities. The ability to dry pack makes these grouts very versatile and able to be used in many areas.

Speciality grouts include underpinning grouts, under water grouts and non hydrogen generating cable grouts.

The Masterflow® range also includes grout additives to allow the production of high quality shrinkage controlled grouts on site. The range allows many types for grout to be produced, from cable and anchoring grouts, to high flow or dry pack grouts.

MASTERFLOW® Resin Grouts

MASTERFLOW® Resin grout range features high flow thin section grouts for machine bases where high strength gain and fast return to service are essential. These grouts can be extended with aggregate to allow thicker pours where necessary and are a first choice when the anchoring of critical equipment is desired.

Adjustable flow aggregate filled medium section grouts are ideal for all critical grouting environments where fast strength gain and chemical resistance are an issue. These grouts are able to withstand a wide temperature range, making them the ideal choice for many processing and petrochemical environments.

Adjustable flow low exotherm thick section grouts have been specifically developed for chocking and thick section regrouting, allowing the engineer to return the machine to service, even if the grout bed is as thick as 500mm - a problem for both normal resin and cementitious grouts. These grouts can be used for many anchoring applications including hold down bolts, stays and cable anchors.

Grouting Product Selection Guide

Description	Brand Name	Technology	Metallic Expansive	High Flow Long Open Time	High Service Temperature	High Chemical Resistance	Thick Section Grouting	Water Displacing/Water Tolerant	Dry Pack	Non Hydrogen Generating	Fast Return to Service	High Dynamic Loads	Pile Reinstatement	Pile Caps
Metallic Aggregate Precision	Masterflow®	Cementitious		●							●	●		●
Natural Aggregate Precision	Masterflow®	Cementitious		●	●							●		●
Natural Aggregate General Purpose	Masterflow®	Cementitious							●					
Natural Aggregate Low Exotherm	Masterflow®	Cementitious					●							
Natural Aggregate Underwater	Masterflow®	Cementitious						●					●	
Non Aggregate Cable Grout	Masterflow®	Cementitious								●				
Metallic Aggregate Underpinning	Masterflow®	Cementitious	●											
High Flow Non Aggregate	Masterflow®	Epoxy				●					●	●		
High Flow Aggregate Filled	Masterflow®	Epoxy			●	●					●	●		●
High Flow Low Exotherm	Masterflow®	Epoxy			●	●	●				●	●		
Underwater	Masterflow®	Epoxy						●					●	

Application

Intelligent Solutions from BASF Construction Chemicals

Concresive® - Resin Based Mortars, Adhesives and Injection Systems
Conibridge® - PU Based Membranes to Protect Bridge Decks
Conideck® - Hand and Spray Applied Waterproof Membrane Systems
Coniroof® - PU Based Roofing Systems
Emaco® - Concrete Repair Systems
Finestone® - Exterior Insulation and Finishing Systems (EIFS)
Glenium® - For Hyperplasticized Concrete
Masterflex® - Joint Sealants
Masterflow® - Precision and Structural Grouts
Masterpren® - Preformed Membrane Waterproofing Sheets
Masterseal® - Coatings and Waterproofing
Mastertop® - Decorative and Industrial Flooring Solutions
MBrace™ - Composite Strengthening Systems
Meyco® - For Shotcrete and Spraying Equipment
PCI® - Tile Fixing and Cement Underlays
Pozzolith® - For Water-reduced Concrete
Rheobuild® - For Superplasticized Concrete
Rheomix® - For Improved Block Mortars
Rheoplus® - Cost-effective Products for Hyperplasticized Concrete
Ucrete® - Flooring Solutions for Harsh Environments
WABO® - Expansion Control Systems

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BASF is the world's leading chemical company: The Chemical Company. Its portfolio ranges from chemicals, plastics and performance products, to agricultural products, fine chemicals and oil and gas.
As a reliable partner, BASF helps its customers in virtually all industries to be more successful. With its high-value products and intelligent solutions, BASF plays an important role in finding answers to global challenges such as climate protection, energy efficiency, nutrition and mobility.

Further information on BASF is available on the Internet at www.basf.com

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