



MasterFlow 648

High Strength,
High Flow Epoxy Grout



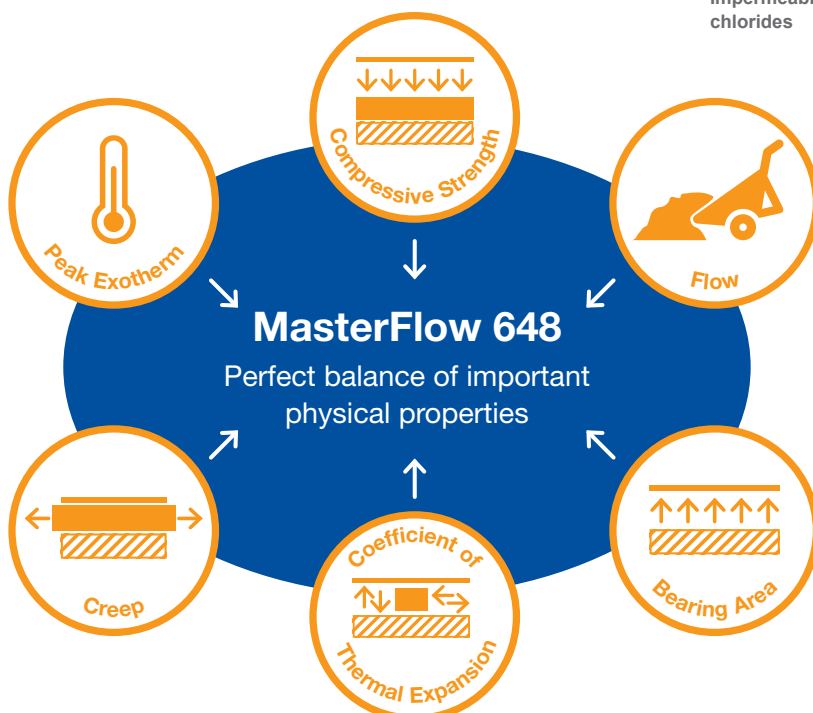


MasterFlow 648 Provides a Stable, Secure Base, Ensuring Alignment and Long Term Service

Master Builders Solutions has applied advanced chemistry to carefully balance the important physical properties and application behavior of MasterFlow 648 to ensure uncompromised, durable support.

Features	Benefits
Meets the requirements of API 686, ASTM C579 and many more international and local standards	Superior performance backed by complete test data. Can be confidently referenced in global specifications.
High Early and Ultimate Compressive Strengths	Allow early load transfer and rapid commissioning of equipment, fast return to service
Excellent Bearing Area	For even load distribution
Low Creep	Maintains machinery alignment over long time periods
Very Low Shrinkage	Ensures full baseplate contact and load transfer

Features	Benefits
Good Chemical Resistance	Durable even when exposed to many industrial chemicals
Elevated Temperature Performance	Retains physical properties and maintains equipment alignment even when operating and baseplate temperatures are increased
High Tensile and Flexural Strengths	Absorbs dynamic operational loads
Good adhesion to both steel and concrete	Optimizes load transfer and enables vibration dampening
Resists impact and dampens torque	Protects equipment, ensures long service life
Excellent Freeze/Thaw Resistance	For outdoor equipment that can experience very low service temperatures
Impermeable to water and chlorides	Stands up in wet and aggressive environments



MasterFlow 648 achieves its advanced performance properties by the combination of several distinct product features.

With carefully balanced physical properties MasterFlow 648 is formulated for easy installation, with good flow characteristics suitable for pouring or pumping, low dust generation and soap and water cleanup.



Formulated for Easy Installation, Enhanced Safety and Jobsite Cleanliness

MasterFlow 648 grout provides application and safety benefits to contractors and site owners not available with any other epoxy grout on the market.

Much lower dust than competitive products



Features

Low odor, low dust and soap & water cleanup

Excellent Flow Characteristics

Pumpable

Application Thickness/Depth

Variable Fill Rates

Benefits

Enhanced safety for workers

Effective grouting of even narrow gaps and large baseplates

For maximum productivity on large installations

10 to 150 mm (0.5 to 6 inches)

Viscosity and flow characteristics can be adjusted to meet project requirements

Easy cleanup



Meeting the most challenging installation demands

MasterFlow 648 grout features superior flow characteristics, low dust generation and soap and water cleanup. It is formulated to be poured or pumped, and a high flow mix option offers placement flexibility.





Global Product Availability, Easy Access and Support



Global availability

MasterFlow epoxy grout is used to support critical equipment on every continent, in every corner of the world. Equipment manufacturers, owners, engineers, EPCs and specialty contractors can specify and install MasterFlow 648 grout with confidence, because it is a single formulation, available everywhere in the world. No need to wonder or worry about product availability and supply.



Training and support

On every continent, you will find Master Builders Solutions professionals who can provide product selection and specification assistance, technical guidance, documentation on proper placement, understanding of the relevant testing methods, as well as on site training of contractors to ensure proper mixing, application, placement and testing protocols are understood.



Detailed documentation

Online or in person, Master Builders Solutions provides detailed documentation to enable quality installation of MasterFlow 648 grout. Technical data guides, installation bulletins, and specification documents clearly outline the relevant engineering and contracting details.

No matter where

With MasterFlow 648 there is more material in contact with and supporting the precision equipment, and there are more dedicated people in all corners of the world ready to help on projects than with any other competitor in the market today.



Supporting Critical Equipment in Industries Across the Globe

What's underneath the machine matters: Grout. It seems like a simple element of the equipment installation. But it is not.

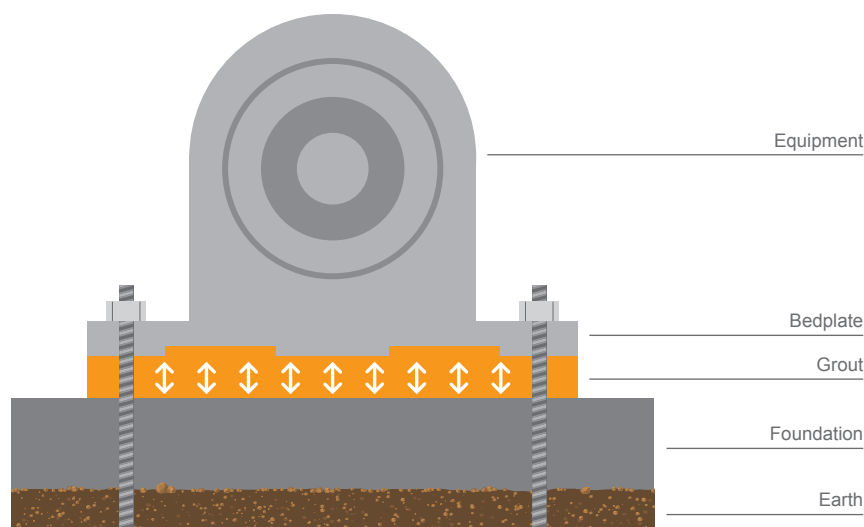
This thin layer of material has a critically important function:

- To secure and protect the machinery
- To transfer the loads from the machine to the baseplate
- To ensure that the operational movement and vibration does not compromise the alignment

For more than three decades, MasterFlow 648 has been used to secure critical equipment for proper alignment and transmission of static and dynamic loads, vibration and rotational torque in industries such as:

- Chemical Processing
- Oil & Gas Distribution
- Pulp & Paper Production
- Mining
- Gas Refining & Processing
- Power Generation
- Steel & Aluminum Manufacturing
- LNG Production, Storage and Transmission

MasterFlow 648 precision epoxy grout is used as the vital link between critical equipment and the foundation.



Epoxy grout is used to secure:

- Compressors, generators, turbines, engines, pumps, fans, blowers and motors
- Rolling, stamping, grinding, crushing, boring, drawing, extruding and finishing mills and presses
- Crane rails, conveyors, gear and flued drives, sole plates
- Mixers, shredders, clarifiers, evaporators



Master Builders Solutions for the Construction Industry

MasterAir

Complete solutions for air entrained concrete

MasterBrace

Solutions for concrete strengthening

MasterCast

Solutions for the manufactured concrete product industry

MasterCem

Solutions for cement manufacture

MasterEase

Low viscosity for high performance concrete

MasterEmaco

Solutions for concrete repair

MasterFinish

Solutions for formwork treatment and surface improvement

MasterFlow

Solutions for precision grouting

MasterFiber

Comprehensive solutions for fiber reinforced concrete

MasterGlenium

Solutions for high performance concrete

MasterInject

Solutions for concrete injection

MasterKure

Solutions for concrete curing

MasterLife

Solutions for enhanced durability

MasterMatrix

Advanced rheology control for concrete

MasterPel

Solutions for hydrophobization, anti-efflorescence and surface protection

MasterPolyheed

Solutions for mid-range concrete

MasterPozzolith

Solutions for water-reduced concrete

MasterProtect

Solutions for concrete protection

MasterRheobuild

Solutions for high strength concrete

MasterRoc

Solutions for underground construction

MasterSeal

Solutions for waterproofing and sealing

MasterSet

Solutions for set control

MasterSphere

Solutions for guaranteed freeze-thaw resistance

MasterSuna

Solutions for sand and gravel in concrete

MasterSure

Solutions for extraordinary workability retention

MasterTop

Solutions for industrial and commercial floors

Master X-Seed

Advanced accelerator solutions for concrete

Ucrete

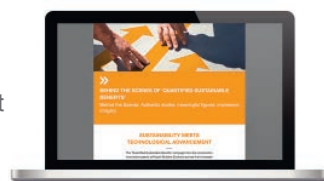
Flooring solutions for harsh environments



QUANTIFIED SUSTAINABLE BENEFITS ADVANCED CHEMISTRY BY MASTER BUILDERS SOLUTIONS

Let the numbers do the talking: We have portrayed some of our most eco-efficient product solutions for concrete and precast production, construction, civil engineering, and flooring.

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