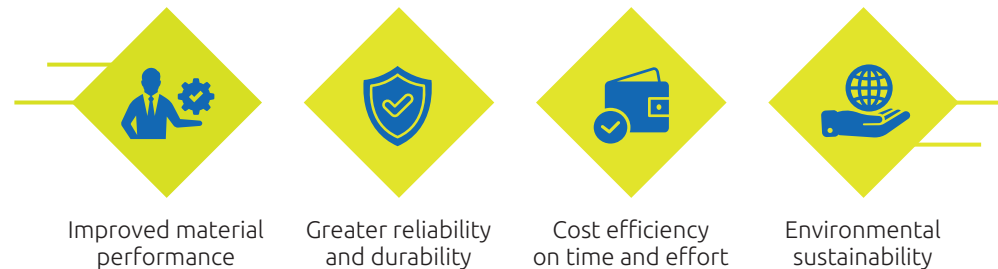


Innovation and efficiency, together

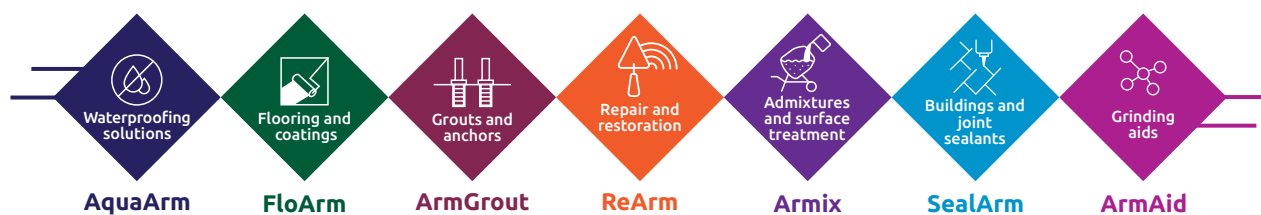
At MYK Arment®, we set standards of excellence and trust in the global construction chemical industry. The cornerstone of our business is formulated around the belief that the industry expects much more than just the product/service. Hence, our products and services are engineered for:



We constantly strive to raise the bar on the above parameters through innovation on our offerings by working closely with our customers to identify what they need most—whether it's innovative product development, greater efficiency or application expertise. Together with the customer, we make sure that every interaction is a step in our journey towards excellence.

Our service is backed by our strong relationships with architects, contractors, specifiers, building materials suppliers and concrete producers who offer high quality products and industry leading technical support.

Our products offer a unique blend of German technology and expertise to serve Indian and global markets. MYK Arment's range of high-performance construction chemical products include:



ASSOCIATED



Dig through all your
Tunneling and
Mining challenges

MYK
arment®

Corporate Office: 8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad - 500 034.
Tel: +91 40 6816 0001, Fax: +91 40 3040 0099, Website: www.mykarment.com, Email: myk@mykarment.com

Regional Offices: • Alwar: 93515 71908 • Bangalore: 93413 04321 • Bhubaneswar: 99633 04560 • Chennai: 044-24746663, 98404 22288 • Indore: 99635 03450 • Noida: 0120-4280234, 93101 17490 • Kolkata: 76030 21803 • Kochi: 81389 05944 • Mumbai: 90222 56635 • Pune: 93251 01264 • Ahmedabad: 85111 42241



Tunneling

With infrastructure development becoming a key focus area, roads will be cutting through mountains and since geology varies from place to place, tunnels will need to be dug in different types of surfaces varying from soft clay to hard rock. The method of tunnel construction depends on factors such as ground conditions, ground water conditions, length and diameter of the tunnel drive, depth of the tunnel, logistics of supporting the tunnel excavation, final use and shape of the tunnel and appropriate risk management.

Mining

Exploration and Mining material resources from the earth helps a nation become more materially self-reliant. In a complex business like mining, exploration, construction and operations require considerable investments and are filled with challenges. An affordable answer to these concerns is available in the form of concrete, used in support structures (columns, ceiling and retaining walls), floors, pipes, channels and rocks, resulting in increased profitability and less interruption.

Typical challenges in Tunneling & Mining

- Water seepage
- Chemical attack
- Static & dynamic loads
- Thermal stresses
- Root penetration
- Geological surprises

Types of tunnel construction in common use

1. Cut-and-cover tunnel constructed in a shallow trench and then covered over.
2. Bored tunnel, constructed in situ, without removing the ground above. They are usually in a circular or horseshoe shaped cross-section.
3. Immersed tube tunnel sunk into a body of water and laid on or buried just under its bed.

Concrete application in Tunneling

- Concrete is used to provide support for tunnels through weak rock, stabilizing the rock by filling crack and holes with concrete.
- Concrete also covers the surface, preventing water access.
- Lining with concrete is mainly used for construction of tunnels with more complex structures and big cross-sections.
- Concrete is also widely used for shield tunneling, mainly in subway tunnels.

Our solutions:

- Ground support solutions – Concrete admixtures for Shotcrete & Concrete lining
- Ground consolidation solutions – PU injection systems
- Ground leak sealing solutions – PU injection systems for water tightness
- Sheet & Spray applied waterproofing membranes – PVC, HDPE, EVA, PU High end water ingress management
- Surface treatment & protection solutions

Recommended Products for T&M

Type	Products/Solutions
Alkali Free Accelerators	Armix AFA
	Armix AFA 160 (E)
	Armix AFA 470 (M)
	Armix AFA (P)
Concrete Admixtures	Armix HyyeCrete SP 200-TM
	Armix HyyeCrete PC 20-TM
	Armix HyyeCrete PC 30-TM
	Armix EmmeCrete SP 111-TM
	Armix AC
	Armix ElleCrete PC 5-TM
	Armix VMA
Hydration Control Agents	Armix HCA
Admixture/ Additive & Concrete Aids	Armix Pump AID-P
	Armix Microsilica
	Armix SF 65
	Armix PP Fiber SF
	Armix PP Fiber MF
Mould Releasing Agent	Armix Form FR9
Curing Compounds	Armix Cure WB (HV)
	Armix Cure PB (WHITE)
	Armix Cure PB (CLEAR)
	Armix Cure RB
Repair Products	ReArm Crete RM HS
	ReArm Crete MC-G
	ReArm 4041
	ArmGrout Inject EP
	ArmGrout Inject PU1
	ArmGrout Inject PU4
	ArmGrout Inject PU 2K
	Armix ConClean
	ArmGrout CG
	AquaArm Gepotech H
Water Proofing Products	AquaArm PVC
	SealArm Waterbar RS 800

