

Headquarter in Beijing

MUHU is headquartered in Beijing, which is China's capital city and the center of politics, economy, culture, and national strategic planning. It provides an important information platform and primary station for communication and operation. With special resources and advantages, it is an ideal place for business headquarters.



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MUHU CHINA

Company Introduction

MUHU, one of the major manufacturers of concrete admixtures in China, was established in 1988, in Huairou, Beijing. It is specialized in concrete admixtures' research, manufacturing, and distribution. The company has an area of 65,000 m² and about 200 employees, among them 25% and knowledge-workers. The company has four manufacturing locations in China and is one of the key businesses exporting concrete superplasticizers in China. We ship our products to every corner of the world and have international customers visiting us frequently from Vietnam, South Korea, Singapore, India, Bangladesh, Pakistan, Mongolia, Iran, UAE, Saudi Arabic, Sudan, Brazil, Argentina, Uruguay, Chile, South Africa and many more.

MUHU produces over 70 products, including high range water reducers, set accelerators, set retarders, Air-Entraining Admixtures, pumping aids, anti-freezing products, etc. These products are widely used in industrial and civil engineering, public infrastructure, hydroelectric engineering, and concrete ready-mix products. In addition, the company produces concrete repair and strengthening materials, flooring materials, grouting & anchoring materials, waterproofing and joint sealants materials, dry-mixed mortar etc. MUHU products have been used in many national projects.

MUHU has three sister companies: MUHU (China) Construction Materials Co., Ltd., focusing on MUHU brand Products marketing, exporting, and technical support; Beijing MUHU Concrete Admixture Co., Ltd., manufacturing various MUHU brand products; Beijing MUHU New Material & Technology Co., Ltd. specializes in research, technology innovation & adoption for concrete admixtures products and related production equipment.

In addition, MUHU provides professional services of technology know-how transfer of concrete admixtures, including process design, manufacturing, application, and management expertise. The customers entirely focus on the local market to develop and sell. MUHU provides customers with worry free lifetime support services.

We try to be the best in our field, which requires the people in MUHU have specific goals, always keep a clear mind, and understand the business situation. The competitive industry of concrete admixture has witnessed that MUHU is excellent in all areas.



Research & Development

MUHU is a high-tech type business having the state-of-the-art manufacturing facilities, testing equipment, and sophisticated research capability. With the technical support of researcher expertise from dozen's of top research institutes and universities such as China Academy of Building Research, China Building Materials Academy, China Institute of Water Resources and Hydropower Research, China Academy of Railway Science, and Tsinghua University, MUHU has the ability to solve the most complex concrete problems and develop new product to meet the ever-changing market. We can mass produce high performance water reducer of polycarboxylic, naphthalene based superplasticizer, AS, AK and SM Superplasticizer.

MUHU is affiliated to China Association of Concrete Admixtures, China National Coatings Industrial Association, and China National Adhesives Industry Association.



Certificates & Honors

- MUHU was approved as a National high-tech enterprises in 2011.
- MUHU "generation polycarboxylic type" won the Advance of Science and Technology Award of Beijing in 2008.
- MUHU was certified by ISO9001 in 2004.
- MUHU Polycarboxylic-type high performance water reducer was granted as "New high-tech product" by Beijing Government in 2003
- MUHU was approved as a high-tech type business in Beijing in 2002.
- MUHU was certified by ISO9002 in 2000.
- MUHU brand products as accredited as National Quality Trustworthy Products in 1998.
- MNC-D Water Repellent Admixtures was awarded as key project by China Ministry of Construction in 1997.
- MUHU brand products won the gold medal of the First Chinese Gold Model Technical and Product Fair in 1994.
- MNC-C Anti-freezing admixture won the Advance of Science and Technology Award of Beijing in 1993.



▲ The National High-tech Enterprise Certificate

▲ Certificates Patent of MUHU

▼ Concrete Admixtures Books Published by MUHU



Certificate as Key Project by China Ministry of Construction

ISO 9001:2000 Certificate

MUHU Certificates & Honors



Manufacturing

All MUHU products are complied with industry (international) standards and meet the standards of ASTM C 494 Type A,B,C,D,E,F G and S. From the raw material to the finished products, every process has to pass the strict testing with the requirements of national (industry) standards. The manufacturing procedure meets the specifications of ISO9001. Modern production facilities and scientific management make MUHU products popular, which also ensures the supply.

Annual production capability

- 50,000 tons of Polycarboxylate Superplasticizer (PC-P)
- 50,000 tons of Polycarboxylate Superplasticizer of high water reduction type (PC-F)
- 50,000 tons of Polycarboxylate Superplasticizer of high slump type (PC-G)
- 50,000 tons of Polycarboxylate Superplasticizer of super-early-strength type (PC-E)
- 30,000 tons of Naphthalene Sulfonate Formaldehyde(SNF/NSF/PNS)
- 10,000 tons of Sulphonated Aminophenol Based Superplasticizer (AS)
- 10,000 tons of Sulfonated Acetone-formaldehyde Based Superplasticizer (AK)
- 10,000 tons of Sulphonated Melamine Formaldehyde (SMF)
- 20,000 tons of Dry Mixed Mortar



Drying Tower



Automation and Control System



Superplasticizer Spray Drying System



Liquid Production Line



Automatic Dry-mixed Mortar Production Line

Product Lines

MUHU products fall into eight product lines.
Our products can address any admixture needs.



We have two locations of the Hefangkou factory. One is specialized in manufacturing of concrete admixtures such as heatless production line of polycarboxylate superplasticizer, synthesis production line of Naphthalene Sulfonate Formaldehyde(SNF/NSF/PNS) powder and liquid, Sulphonated Aminophenol Based Superplasticizer (AS) production line, production line of Sulphonated Melamine Formaldehyde (SMF), production line of Sulfonated Acetone-formaldehyde Based Superplasticizer (AK) and so on. The plant also has compounding workshop to make super early strength superplasticizer, retarding superplasticizer, water repellent agent, anti-freezing agent, expansive agent, steam curing agent, foaming agent, pumping aid agent specially used in concrete ready-mix plants, air-entraining superplasticizer, alkali-free shotcrete admixture liquid etc.

The other plant has our dry- mixed mortar production line to produce high strength non-shrink grouting material, cement-based and epoxy-based floor hardeners, repair mortar, cement-based tile adhesive. Our coating workshop is also located there to produce flexible waterproofing coating for interior and exterior wall, coatings in colors of cement and others for interior and exterior wall, JS flexible waterproofing coating etc.

Meanwhile we have dedicated workshop of concrete repair material to produce concrete interface treatment agent, mould release agent, curing agent, dusting concrete treatment agent etc. The workshop of construction adhesive produces products like structural adhesive, polysulfide sealant, polyurethane sealant etc.

We welcome customer to visit our factory and have business discussions. We look forward to establishing long term cooperation with you.

Concrete Admixtures

Concrete admixture is one of the main production lines. From the first generation lignosulfonate, the second generation Naphthalene series, to the third generation polycarboxylic type, they are all available. To meet the needs of different project requirements, working condition and environments, we also produce admixtures for the purposes of set accelerators, set retarders, Air-Entraining Admixtures, pumping aid agents, anti-freezing products, etc.

HRWR (high-rangewater-reducing) admixtures are organic products that typically fall into five families based on ingredients:

1. Polycarboxylate Superplasticizer Ethers (PCE);
2. Naphthalene Sulfonate Formaldehyde(SNF/NSF/PNS);
3. Sulphonated Aminophenol Based Superplasticizer (AS);
4. Sulfonated Acetone-formaldehyde Based Superplasticizer (AK);
5. Sulfonated melamine-formaldehyde condensate(SMF).

No.	Product Name	Type	Description
1	Polycarboxylate Superplasticizer (PC)	PC-P, solid content 98% PC-F (High Water Reduction) PC-G (High Slump Retention) PC-E (High Early Strength)	1. Polycarboxylic technology based high performance superplasticizer. 2. Standard compliance: ASTM C 494, Type E, F and G standard for high range water reducer. 3. Technical cooperation services on heatless and automatic system for local production.
2	Naphthalene Sulfonate Formaldehyde (SNF/NSF/PNS)	UNF-5 (sodium sulfate content 18%) FDN (sodium sulfate content 5%)	1. High performance superplasticizer . 2. Standard compliance: ASTM C 494, Type F standard for high range water reducer. 3. Specialized production line of naphthalene based superplasticizer powder . (turn-key project)
3	Sulphonated Aminophenol Based Superplasticizer (AS)	AS powder	1. Low dosage superplasticiser for slump retention and high strength concrete. 2. Standard compliance: ASTM C 494, Type F standard for high range water reducer . 3. Manufacturing know-how transfer of AS superplasticizer powder . (Turn-key Project)
4	Sulfonated Acetone-formaldehyde Based Superplasticizer (AK)	AK(powder) AK liquid (solid content 42%)	1. High range super plasticizer for high initial workability and high slump retention, no crystallization in extremely cold weather. 2. It complies with ASTM C 494, Type F standard for high range water reducer. 3. Manufacturing know-how transfer of AK superplasticizer powder (Turn-key Project)
5	Sulphonated Melamine Formaldehyde (SMF)	SM-P (solid content 95%) SM-L (solid content 42%)	1. Low dosage high range water-reducing plasticizer, suitable for use in dry mortar, plain concrete and cement products. 2. SMF complies with ASTM C 494, Type F standard for high range water reducer . 3. Manufacturing know-how transfer of melamine based superplasticizer powder. (Turn-key Project)
6	Water Reducing Plasticizers	Calcium Lignosulfonate Sodium Lignosulfonate	1. Water Reducing Plasticizer/Retarder for Concrete, extracted from pure wood pulp waste. 2. Standard compliance: ASTM C494 Type D

No.	Product Name	Type	Description
7	Set Accelerators	MNC-A	1.Superior high range water reducer specifically designed for precast and high early strength concrete(above -8 C). 2.Standard compliance: ASTM C 494 Type C, E& F.
		MNC-B	MNC-B is a Concrete Steam Curing Agent that is not air-entraining or retarding. retarding. When using it in concrete, the water reducing rate is18% and air content is as low as 1.9%. Early strength reaches to over 160% in 1st day, 150% in 3rd day and 145% in 7th day. It has no corrosion to steel bars.
		MNC-CB	MNC-CB is anti-freezing type which can be used when ambient temperature is minus 15 celsius degree at lowest. It has early strengthening and water reducing effect without air-entraining and retarding. It facilitates Steam curing at low temperature.
8	Set Retarders	MNC-BS	1. It's made of selected corn starch and is a commonly used retarding agent in construction materials. 2. It complies with the requirement of ASTM C494 Type B standard.
		MNC-TG	1. Set retarding concrete admixture made of molasses. 2. It complies with the requirements of ASTM C494 Type B & D standard.
		MNC-HHJ	1. It's specially designed for ready mix stations. 2. It complies with the requirements of ASTM C494 Type F & G standard. 3. It's specially designed for ready mix stations. We provide technical services for setting up automatic compounding production line.
9	Air-Entraining Admixture	MNC-AE1	MNC-AE1 neutralized vinsol resin admixture is used for entraining air in concrete.
		MNC-AE2	MNC-AE2 major component is triterpenoid saponin.
		K12	It complies with the requirements of ASTM C 260, AASHTO M 154 and CRD-C 13.
		MNC-AJ	It's Air Entraining and Water Reducer.
		MNC-HAJ	1. High Range Water Reducing and Air-Entraining Admixture 2. We prepare sample according to customer project requirement for test.
10	Pumping Aid Agent for Ready Mix Concrete	MNC-BV 50	MNC-BV 50 is a liquid based on modified ligno Sulphonate, complex polymers and accelerators admixture designed for use in concrete to increase workability and reduce water content.
		MNC-P2	1. MNC-P2 is a ready-to-use, high range water-reducing admixture designed to produce high slump concrete with workability retaining properties. 2.High Range Water Reducer and Set Retarding concrete admixture 3.It complies with the requirements of ASTM C494 Type F & G standard.
		PC-P2	1. PC-P2 is a third generation polycarboxylate based superplasticizer with set retarding effect 2.High Range Water Reducer and Set Retarding concrete admixture 3.It complies with the requirements of ASTM C494 Type F & G standard.
11	Superplasticizer for Cold Weather	MNC-C10/C15	1.Superplasticizer for extremely cold weather. It's designed for use at temperature around minus 20 degree. 2. MNC-C complies with the requirement of ASTM C494 Type A & Type F standards.
		PC-C15	1.Polycarboxylate based high efficient antifreeze is applied at minus 15 degrees or minus 20 degrees. 2.Its recommended dosage is 2.5% of cement amount. 3.PC-C15 complies with the requirement of ASTM C494 Type A & F standards
12	Color Concrete Tile Brightening Agent	MNC-CZ	1.Admixture for concrete pavement. 2.It complies with the requirement of ASTM C494 Type A & Type F standards.
13	Shotcrete Admixtures	MNC-Q1(powder)	1. MNC-Q1 is a special admixture for shotcrete. It has powder form. 2.It makes concrete cure in a few minutes, thus it's mainly used in shotcrete, refractory concrete project and leakage stoppage project. It has best workability when used together with ordinary Portland cement. For use with other cement, trial mixes should be done first. 3. MNC-Q1 is the major admixture for underground construction.
		MNC-Q2(Liquid)	1. MNC-Q2 is a high performance alkali-free rapid accelerator for sprayed concrete. It is a liquid form which dosage can be varied as according to the designed setting and hardening times. 2. MNC-Q2 is suitable for all applications, where high and early strength, good final strength and extremely thick layers are required.

No.	Product Name	Type	Description
14	Non-explosive Demolition Agent	MNC-SCA	MNC-SCA , short for Non-explosive demolition agent, is weaker in demolition and longer in time compared with explosives. Thus, for mining in large and complicated area, the working scheme should combine SCA with mechanical method, or explosives to improve efficiency.
15	Mortar Plasticiser	MNC-E1 MNC-E2	MNC-E1 and MNC-E2 are masonry mortar plasticizers. They're non-lime admixtures which are designed to improve mortar workability by adding into masonry mortar mixture. With advantages like water saving, pro-environment and good workability, they're substitute of lime in masonry mortar.
16	Grounding Resistance-reducing Agent	MNC-JV	It is used in the overall solution of lightning protection, especially for lightning protection of mountains, islands, radar stations, microwave stations and communication stations, and ground connection in complex geological conditions.
17	Concrete Form/ Mould Release Agent	MNC-T6 (Oil-based)	Oil-based Concrete Mould Release Agent (MNC-T6) can be diluted by water before use at the ratio of 1:3-1:6. MNC-T6 is a specially formulated blend of mineral oils with a chemically active release agent that is suitable for application to mould and shutter faces prior to concrete casting in order to obtain a clean release. The alkali reactive chemicals promote a water-repellent interface which protects both steel and timber formwork whilst ensuring the resultant concrete has a smooth, hard, uniform finish with reduced incidence of blowholes.
		MNC-TL (Wax-based)	Wax-based Concrete Mould Release Agent (MNC-TL) is a mould release agent specially designed for bridges.
		MNC-TS (Wax-based)	Wax-based Concrete Mould Release Agent for Rail/sleeper (MNC-TS) is widely used in processing track sleepers, bridges, pipes, power-line poles, metro, tunnels, bridge-piers, cylinder cement casts.
18	Concrete Foaming Agent	MNC-FP	MNC-FP is a new generation multifunctional foaming agent condensated from high molecular components. It features bigger foaming capacity, high fineness and stability.
19	Sulfate Corrosion-resistance Admixture for Concrete	FFS-1	When added during concrete mixing, it is resistant to sulfates and aggressive substances, and improves the durability of concrete. It is called sulfate corrosion-resistance admixture for concrete. Its abbreviation is sulfate corrosion inhibitor.
20	Cement Grinding Aid	ZYS (General type) ZYS-2 (Higher compressive type) ZYS-3 (Mass production type)	1.Comprised of silicate and inorganic mineral components, cement grinding aid embodies its significant effect in areas of enhancement of cement intensity, increase of cement production, optimization of cement property, acceleration of rotary soundness, reduction of clinker use, dosage increase of mixed material like waste solid, saving of resources and reduction of energy consumption. 2.By using this product, cement manufacturer can achieve the goals of production increase, quality upgrading, cost reduction and profit increase, without additional investment in equipment or alteration of production tech. This is also in line with the general requirement of construction of saving-oriented society and harmonious environment.
21	Defoaming Agent		It is a nonionic surfactant that is suitable for dry mix mortars. Its hydrophilic group is non-ionic polarity base-hydroxyl and ether base, thus it has high stability and is not influenced by the pH value of mediums and the electrolyte.
22	Mineral Admixtures	Fly Ash Silica Fume Ground Granulated Blast Furnace Slag	Mineral admixtures (fly ash, silica fume [SF] (purity: 92% and above), and slags) are usually added to concrete in larger amounts to enhance the workability of fresh concrete; to improve resistance of concrete to thermal cracking, alkali-aggregate expansion, and sulfate attack; and to enable a reduction in cement content.
23	Iron Oxide Pigments	Yellow Green Black Red	It's an inorganic pigment with good coverage and strong coloring ability. Meanwhile, because of good dispersion, light durability and anti-weathering ability, it's extensively used in construction, rubber and painting industry.
24	Gypsum Retarder		Gypsum Retarder aims to slow down the gypsum setting time which in a low addition rate and good set retarding effect. It can be widely applied in Plaster Gypsum. Glue Gypsum, Prefabricated Gypsum components, Gypsum Stuffing, Gypsum Model Broad and Gypsum Decoration Coating, etc.

No.	Product Name	Type	Description
25	Shrinkage Reducing Admixture	SR	SR shrinkage-reducing admixture was developed specifically to reduce drying shrinkage of concrete and mortar, and the potential for subsequent cracking. SR admixture functions by reducing capillary tension of pore water, a primary cause of drying shrinkage. SR admixture meets ASTM C 494/C 494M requirements for Type S, Specific Performance, admixtures.
26	Non-dispersible Underwater Concrete Admixture	MNC-UWB	MNC-UWB is suitable for all kinds of underwater concrete projects. Owing to strong dispersion resistance and good fluidity, it makes underwater concrete self-leveling and self compact. It restrains dispersion of cement and aggregate in the underwater condition so as not to pollute waters. Underwater concrete with UWB in it gets over 70% of the compressive strength of above ground concrete when it's 0.3m-0.5m below water level.

Concrete Protection

No.	Product Name	Description
1	M400 water-based elastomeric coating	M400 is the latest technology to subject to resistant the severe weather condition, chemical eroding, etc. It is a white emulsion with single component system. It is a highly elastic tough waterproofing system, co-polymers and a carrier solvent. It is highly resistant to aggressive soils and soluble salts providing an effective continuous barrier and protection against waterborne damage. This is ideally suited as a vapour/salt barrier to building facades behind granite, marble, stone cladding, and curtain wall elements. M400 with the requirements of the following standards: ASTM D 412.
2	Concrete Interface Treatment Agents	MNC-302 concrete interface treatment agent, a kind of cement mortar adhesion intensifier, is of a two-component emulsion using the water-emulsion epoxy resin as its basic material, with outstanding adhesive ability with substrate materials such as smooth concrete, veneering bricks and slabs, metals, lumbars and plastics. It has excellent water resistance, moisture and heat resistance, anti-freezing/thawing and aging performances. MNC-303 is an one-component interface treatment agent for concrete. It aims at improving cement mortar adhesiveness to the concrete substrate to avoid hollowness and peeling in the plastering layer. MNC-303 can substitute alkali degreasing and roughness treatment to the concrete substrate.
3	Clear, water-based 50% silane penetrating sealer	It is a clear, water-based, 50% alkylalkoxysilane penetrating sealer with traffic bearing qualities. It provides long-lasting protection against moisture intrusion, freeze/thaw cycles, and chloride intrusion. It is ideal for traffic-bearing surfaces
4	Water Based Concrete Curing Compound	MNC-Y is water-based low viscosity emulsion curing compound for concrete containing an alkali reactive emulsion breaking system. The system forms a continuous non-penetrating film on cementitious surfaces preventing excessive water evaporation leading to more efficient cement hydration thereby reducing shrinkage and increasing durability.
5	Reinforced Steel Bar Corrosion Inhibitor	MNC-RI is a DGI type (Darex Corrosion Inhibitor). It can be mixed with cementitious materials to contribute to new construction or repairing project. MNC-CI is a MCI type (Migrating Corrosion Inhibitor). It's normally brushed on the concrete surface to permeate inside and get around steel bars. It's mainly used in repairing project.
6	Zinc-rich Epoxy Primer	1.It is a two-component epoxy primer. 2.It is designed to prime and protect reinforcing steel from corrosion
7	Alkali-resistant Closed Primer	Made up of preferred alkali-resistant closed latex and all kinds of additive, pigments, filler, this product is mainly used for closing the base of the exterior wall.
8	Finishing Agent	It's finishing paint that's used after top coating. It has tenacious adhesiveness, retains color and brightness. After drying, the membrane doesn't absorb dust while improves self-cleaning ability, waterproofing, alkali resistance and superb anti-weathering ability of coating. It effectively protects coating from rain, frost, efflorescence and corrosion, greatly extending life expectancy of coating.
9	Elastic Latex Paint For Interior and Exterior Wall	Confected with high elasticity Cross-linking acrylic latex, titanium white powder, filler and additive, it has excellent performance as the normal high-level latex paint for exterior wall, such as outstanding weather ability, color retention water and alkali resistance, in addition with high elasticity, it can cover exiguous crannies occurring by the deformation of the substrate or deformation caused by the temperature. This keeps excellent decoration function of the coat more.

Concrete Repair

Concrete Strengthening: MUHU composite strengthening systems restore damaged concrete while increasing it's load bearing capacity.

Concrete Repair: MUHU repair mortars provide durability and protection against corrosion.

Crack Repair: MUHU injection resins fill and seal cracks and voids, re-establishing the structural integrity and protecting against further deterioration.

No.	Product Name	Description
1	Resin Crack Pouring Adhesive	1. Grouting adhesive for concrete cracks over 0.1mm. 2. Grouting repairing for cracks in the concrete surface, floor and basement. 3. Compact grouting and repairing for veneerings of the granite, marble and tile as well as hollow joints.
2	High Strength Pourable Epoxy Resin Grout	MH-EP is a three-component pourable grout based on a solvent free epoxy resin and selected aggregates. It cures to form a hardened mortar with excellent adhesion to many substrates. This, combined with the product's ease of application makes it ideally suited to site application.
3	Fibers for Concrete	Polypropylene Fiber for Concrete (MNC-PPF) When it's used as concrete reinforcing material, the length is usually between 19 and 22mm Polypropylene Reticular Fiber for Concrete (MNC-PRF) It's also called polypropylene fibermesh which is made through special production techniques from polypropylene. Polyacrylonitrile Fiber for Concrete also called Acrylic Fiber, is a new type reinforcing fiber that improves strength and anti-cracking resistance of asphalt concrete or cementitious concrete. It's a composite fiber specially processed from polyacrylonitrile resin to get similar effect with polypropylene fiber. Asphalt Concrete Fiber: It's a new kind reinforcing and crack-resistant material specially developed for asphalt concrete. It's made of 100% polyester synthetic materials through special techniques and comes into form of bunchy monofilament. Steel Fiber: It's widely used in road pavement, water reservoir, nuclear power station, airport apron and runway, the fundament of high-rise buildings, underground garage, mine tunnels, etc.
4	Dusting Concrete Repairing Agent	It's specially made for repairing concrete where there's dust exposure due to weak wearing and abrasion resistance. After it's sprayed on the surface of concrete directly, it infiltrates into the inner part and forms a three dimensional crystal after chemical reaction with concrete. Consequently, it increases concrete strength and hardness, improving anti-wearing ability and brightens surface. It's easy for application.
5	Dynamic Load Structural Adhesive	It's a two component dynamic load structural adhesive that coagulates at room temperature. Structural Adhesive that bears bridge dynamic load withstands 2million times of dynamic loading fatigue test. It's mainly used as steel bonding agent and steel bar reinforcing agent in concrete structures that bear dynamic load such as railway, bridge, road etc.
6	Polymer-based Internal Curing Agent of Concrete	MNC-SAP (Super absorbent polymers) is a curing agent, which can effectively prevent cracking of concrete, increase the strength of concrete and improve frost resistance and impermeability of concrete. Concrete for adding this product is recommended to use in arid, windy, weathered and cold areas.
7	High Strength Non-shrink Grout	1. CGM-QGW strength can reach up to 10-15MPa in one hour and 40MPa in one day after grouting. 2. CGM-QGW is a rapid strength, cement-based, nonmetallic, non-shrink grout for supporting machinery requiring precision alignment and quick turnaround. 3.It provides high early and final strength, excellent substrate adhesion and fluidity. It is non-toxic, non-corrosive product.
8	Concrete Repair Mortars	Cement-based Concrete Repair Mortar 1. It's used for repairing concrete surface such as structural surface or floor. 2. It's used as a plastering material for new type wall surface or plate surface. 3. It's widely used in express way, high viaduct, concrete building at sea, old and new construction work etc as a repairing material. Epoxy Resin Concrete Repair Mortar It's used on concrete substrate where there's pit of 1-15mm deep or cavity of 15-100mm deep.

Flooring Materials

No.	Product Name	Description
1	Concrete Floor Hardener	The floor hardening material consists of cement-based type and epoxy resin based type. It's suitable for use in flooring systems in plants, warehouses, supermarkets, squares and stadium etc. When applied in new construction with fresh concrete, it meets the requirement of industrial plants, parking lots and large logistic center etc on wearing resistance and dust proofing.
2	Epoxy Floor Coating	Solvent-free Prime Coating: It has tenaciously adhesion to concrete substrate. Solvent-free Intermediary Coating: I. It improves mechanical property, coating flatness and uniformity. It has good adhesion to prime coating and top coating. Solvent-free Top Coating: It forms a dust-free finish that's easily maintained. The surface has good hardness, anti-wearing and anti-abrasion performance. It performs well even in cold weather.

Grouts & Anchoring Materials

No.	Product Name	Description
1	High Strength Non-shrink Grout	CGM-1P compressive strength can reach up to 50Mpa in 1 day while equipments may be operated in 1 day after foundation grouting. The strength can be as high as 70Mpa after 28 days.
2	Steel Bar Anchoring Material	1. It can be used for construction of the steel bar anchoring on such bases as reinforced concrete, brick wall and rocks. 2. It's mainly used for anchoring of the equipment foundation bolts, anchoring and shot concreting project in tunnel works, etc.
3	High Performance Duct Grout for Prestressing Tendons	MUHUFLOW 1205 is a cement-based pumpable grout with specially graded aggregate. It produces a pumpable, nonbleeding, high-strength fluid product with an extended working time. The specially graded spherical aggregate mitigates chloride migration while still allowing the product to be easily pumped over long distances through small openings. MUHUFLOW 1205 meets all the compressive strength and volume change requirements ASTM C 1107 (CRD C621) at a fluid consistency.

Water-proofing & Joint Sealant Materials

No.	Product Name	Description
1	Cement-based Flexible Waterproofing Coating(JS)	JS waterproofing coating comprises a two-component acrylic polymer modified cementitious coating supplied in ready to mix kits. JS waterproofing coating can be simply applied by stiff brush, roller, spray, or trowel to obtain the desired texture. It is available in Grey and White.
2	Organic Silicone Waterproofing Agent	construction organic silicone products are widely used in fields such as prime exterior wall coatings, concrete protection, water and oil repellent treatment of stones, waterproofing treatment of gypsum and cement products, etc.
3	Rubber Waterstops	Rubber waterstops have not only common features of rubber products, but automatic expansion in touch with water. According to shape it can be divided into rubber product type and rubber putty type (vulcanization and unvulcanization. We can select according to different demand of water-proof construction.
4	Water Repellent Admixture for Concrete	MNC-D not only improves the concrete cracking assistance and impermeability, but also has advantages of water reducing, strength enhancing, set retarding and flowability improvement. Because of these multi-functions, it is an excellent water repellent, suitable for pumping concrete
5	Concrete Expanding Agent	UEA-6 Concrete Expanding Agent is calcium sulfoaluminate type without sodium content, hence no alkali reaction in concrete. With its application, concrete has great improvement in durability, expansive stability and consistent strength. It's suitable for underground, underwater, marine, tunneling projects where temperature variation isn't much. For structures such as roof and floorslab where temperature changes vastly, special design should be made so as to prevent cracking.

No.	Product Name	Description
6	Cement-based Crystallizing Waterproof Material	It is a specially designed chemical admixture for CCCW mortar. It contains a unique blend of specialty chemicals that react with the cementitious materials in the mortar to form hydration crystals. These long and hair-like crystals block the capillary pores and micro-cracks within the mortar so that permeability of the mortar is dramatically reduced.
7	Leaking Stoppage Agent	The product is a new high-tech products developed by our company, its feature is quick setting and hardening, high minute strength and can produce micro expansion and can be used extensively in the urgent leaking stoppage and repairs of funnels, mines, culverts, water pools, basements, roof coverings and military projects, fit for use in large volume dry basis leaking stoppage, high speed jet and anchoring as well as special projects in winter construction and water proof and leaking stoppage agent, etc.
8	Structural Adhesive	Component A is based on modified epoxy resin. Component B is a hardening agent. After mixing component A and B by 2:1, the material cures fast at normal temperature. It has high tenacious strength for metal, concrete, ceramic, wood, brick, hard plastic etc. It's highly recommendable for structure reinforcement, steel bar anchoring, formwork bonding, brick bonding, repairing of cement products etc.
9	Polysulfide Sealant	It's composed of two components which, when mixed together, cure to form a flexible rubber seal. It gives excellent adhesion to glass, metals, concrete, masonry, wood, plastics, and many other building substrates. It is capable of withstanding repeated extension and compression without loss of adhesion.
10	Polyurethane Sealant	One component polyurethane elastomeric sealant with has two grades, low modulus and high modulus. <ul style="list-style-type: none"> ●Solventless, non-toxicity, environment friendly. ●Moisture cured, no shrinkage after curing. ●Non-sagging. ●Excellent anti-movement capability, never be moldy.

Dry-mixed Mortar Materials

No.	Product Name	Description
1	High Strength Non-shrink Grout	CGM-1P compressive strength can reach up to 50Mpa in 1 day while equipments may be operated in 1 day after foundation grouting. The strength can be as high as 70Mpa after 28 days.
2	Cementitious Self-leveling Floor Mortar	MUHU brand Cementitious Self-leveling Floor Mortar is a self-leveling cementitious, non-structural, floor underlayment intended for use over poured in-situ and precast concrete floors which will be covered by carpet, vinyl, ceramic tiles or natural stone. Only water needs to be added at the job site to obtain the desired consistency for pumping or manual installation.
3	Tile Adhesive /bond	Cement-based Tile Adhesive /bond is an adhesive mortar for installing all types of floor and wall tiles. It's an unique mortar with characteristics of high sticking power, low water absorption, high chemical resistant with long life and easy tile installation. It may be applied to new concrete, old concrete, cement plaster, brick and block works.
4	Tile Grout	Tile Grout is the material visible between tiles. It is powder form which used to fill the space between the tiles and to support them. It is designed to provide maximum adhesive tensile strength with water resistance and decent appearance.
5	Plastering Mortar for EIFS	It is a revolutionary system formulated by gelled material, cement, sand, fly ash, superfine active material and additives for application in exterior wall. It perfectly combines the flexibility of high polymer materials with durability of inorganic materials. It can glue to alkali-resistance gridding cloth, introducing a protection layer.

Exterior Insulation Finishing Systems (EIFS)

No.	Product Name	Description
1	EPS-boards adhesive mortar	EPS-boards adhesive mortar is designed to apply EPS-boards. It is used for applying to the newly erected objects as well as the buildings to be thermo renovated. The applied boards require additional fixing by means of mechanical anchors, i.e. proper expansion pins made of plastic.
2	Adhesive for EIFS (exterior insulation and finish system)	<ol style="list-style-type: none"> 1. Premixed , polymer reinforced cement based dry material . Good properties of bonding , sag resistance, water preservation. Water resistance, anti-ageing and easy operation. No poison pollution. 2. Adhesion among wall substrate and polystyrene foam panel in EIFS, XPS extruded sheet, marble, tile etc. 3. All kinds of wall made of concrete, cement mortar, tile substrate etc.

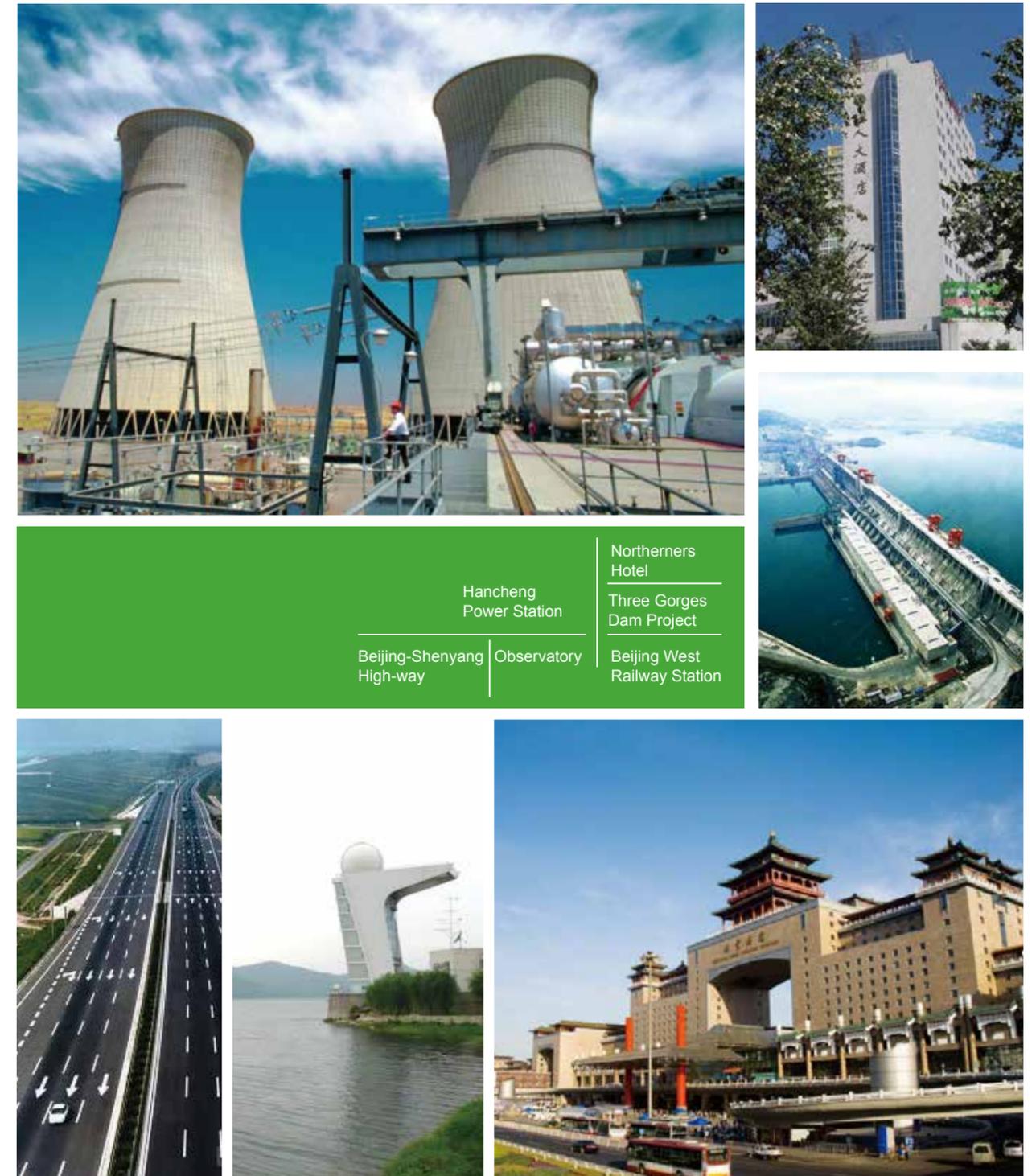
Customer Services

MUHU has a committed and responsive customer service system. The company emphasizes product marketing and pre/post-sales services. We have regional engineers to help you at the work site. Over twenty Chinese professional journals and magazines introduce MUHU products throughout the whole year. MUHU has sales agents in many major cities of China. Customers may get MUHU products and services conveniently.



Applications

Excellent service makes MUHU a partner that customers can count on. Our products have been sold across the country. Some important buildings and national projects that have used our products include: Beijing West Railway Station, the Beijing-Shenyang High-way, Three Gorges Dam project, Qinghai-Tibet Railway and etc.



Lab Testing Equipments and Apparatus

MUHU supplies a complete set of lab testing machines and apparatus for the cement industry such as automatic pressure machine, curing cabinet and box, vibrator, concrete mixer, electronic balance, and sieve shaker. Our unit complies with the ASTM C 1565-03 standard test method for determination of pack-set index of Portland cement.



Technical Know-how Transfer

In order to provide one-stop service to customers, MUHU also offers know-how transfer besides supplying products.

The coverage of technology know-how transfer :

- Designing a production line based on customers' technical requirements and physical site condition. Conducting a preliminary feasibility analysis.
- Providing essential equipment specifications, assisting equipment purchase, issuing bank guarantee, and instructing equipment installation and commissioning
- Transferring product formulation and manufacturing process.
- Training the employees to produce qualified products.
- Designing and setting up laboratories.
- Training lab workers so that they can independently test finished products and raw materials.



Certificates Patent of MUHU

Production Line for Polycarboxylate Superplasticizer

- Automatic control
- Normal temperature reaction technique
- Customized design
- Energy-saving environmental friendly



New, Automated, Heatless Production Line for Polycarboxylate Superplasticizer (MH-PCL-2A) -Ideal for Concrete admixtures Plants

Admixture Blending / Batching Production Line



Weighing-based Automated Instant Admixture Blending/Batching Production Line-Ideal for Blending Admixtures Plants

Naphthalene Sulfonate Formaldehyde (SNF/NSF/PNS) of Production Line



Automated Naphthalene Sulfonate Formaldehyde(SNF/NSF/PNS) of Production Line



• After modification, this production line can be used to produce AS, AK and SM Superplasticizers

Concrete Admixtures Production Equipment



Concrete Admixtures Production Equipment (MH-PCL-2B)-Ideal for Ready-mix Concrete Manufactures

Automated Dry Mixed Mortar Production Line

