

CONSTRUCTION CHEMICALS

ACT

تكنولوجيا الخرسانة المتقدمة ذ.م.م.
ADVANCED CONCRETE TECHNOLOGY L.L.C.

QUALITY COMES FIRST



Advanced Concrete Technology LLC (ACT) was established in 1998 for supplying general construction chemicals in the Gulf Region.

It represents a number of international companies in the United Arab Emirates. Most of the products are approved in Abu Dhabi by Works Department, Municipality, Civil Defense (for Fire Rated Boards & Sealant), Oil companies and many of the consultants. And also from Abu Dhabi Commercial Engineering Services (ADCE).

ACT has offices in Abu Dhabi and Ajman and warehouse in Mussafah. As well as sales and marketing **Advanced Concrete Technology LLC (ACT)** also aid their clients and customers with technical supports. ACT provides a range of products that is suitable for use at any stage of new construction. In addition, products and services are available for the maintenance and repair of existing buildings. Our range of products include:

- Bonding Agent & Plasticiser for Mortars.
- Cold & Hot Bitumen Waterproof Protective Coating.
- Cementitious Repair Mortars & Grouts.
- Epoxy Repair Mortars & Grouts.
- Tile Adhesive & Tile Grouts.
- Chemical Anchors.
- Cementitious & Acrylic Waterproof Coating.
- PVC Waterstops & Swell Bars.
- Fire Resistant Products (U.K.)
- Joint Sealants & Polyurethane Foam (France)
- Rust Remover for Steel Reinforcement (USA)
- Injection Resins, Pumps & Packers (Germany)
- Multi Injectable Hose (Switzerland)
- Bituminous Waterproofing Membrane & Protection Board (Saudi Arabia)
- Shuttering Oil, Curing Compounds, etc...
- Flexible Jointing System
- Styro Foam Thermal Insulation (Saudi Arabia).

MORTAR ADMIXTURES

ACTBOND PVA

Multi-purpose polyvinyl acetate bonding agent and mortar additive bonding rush coat, concrete repair...etc.



Packaging: 20 kg & 200 kg.

ACTRUSH BOND

Commercial grade general purpose polyvinyl acetate bonding agents Provide good adhesion and performance to the plaster and concrete works.



Packaging: 20kg & 200 kg.

ACTMIX

Mortar plasticizer admixture improves workability and cohesion for cementitious mortar. Improves moisture retention and reduce shrinkage, cracking, crazing,...etc.



Packaging: 20 kg & 200kg

ACTBOND SBR

Multi-purpose styrene butadiene rubber copolymer based liquid, Used in mortar and concrete as an admixture and bonding agent increase water resistant and durability.



Packaging: 20kg & 200 kg.

BITUMINOUS WATERPROOF COATINGS

ACTBIT E

Cold applied water based bitumen emulsion general purpose dampproofing and primer for concrete, timber and metal.

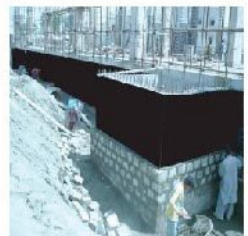
Packaging: 20kg & 200kg.



ACTBIT RBE

Elastomeric cold applied rubberized bitumen emulsion for flexible protection below ground such as concrete foundation.

Packaging: 20kg & 200kg.



ACTBIT SB

Anti-bacterial and anti-fungus solvent based bitumen primer coating for concrete prior to application of waterproofing membrane, facades and aluminum cladding.

Packaging: 20kg & 200kg.



ACTBIT 115/15

Hot applied bituminous protective coating for building foundations and basements, steel structures and retaining wall.

Packaging: 180kg & 200kg.



CEMENTITIOUS AND EPOXY REPAIR PRODUCTS

ACTGROUT NS

Non-shrink cementitious grout for floor repairs and toppings, base plate grouting, anchor bolt fixing etc... which provides maximum contact with bearing surface and excellent bonding strength to concrete and steel.



Packaging: 25 Kg.

ACTCRETE MC

Shrinkage compensated free flowing micro concrete for vertical and horizontal high volume repair of concrete structure with self-compacting nature (honey comb repairs, pile head re profiling etc...).



Packaging: 25 Kg

ACTCRETE F

Shrinkage compensated structural grade polymer modified fibre reinforced cementitious thixotropic high strength repair mortar for repairing concrete slabs, beams, columns and pre-stressed floors etc...



Packaging: 25kg.

ACTCRETE FC

Cementitious thin layer formulated for plastering cast in - situ concrete, light weight concrete and fair faced dense concrete used on exterior and interior surfaces to give a hard, smooth, water resistant finish which suitable for painting and wall preparing.



Packaging: 25 kg.

ACTFLOOR SL

Polymer modified dry mix powder to be mix with water to produce a free flowing self-leveling underlayment for new floor and repair /



Packaging: 25kg.

ACTILE FIX GP

General purpose cementitious tile adhesive suitable for used on walls and floor, light weight concrete and plaster for both exterior and interior surfaces.



Packaging: 25 kg.

ACTILE FIX UW

Waterresistant cementitious tile adhesive for underwater application for fixing ceramic tiles in watertanks, swimming pools, subways and underground parking areas etc...



Packaging: 25kg.

ACTILE GROUT W

General purpose water resistant cementitious tile grout for filling joints in exterior and interior walls and floors.



Packaging: 15kg.

CEMENTITIOUS AND EPOXY REPAIR PRODUCTS

ACTILE GROUT EP

Two component water cleanable epoxy resin chemical resistant grout for ceramic grouting of industrial and commercial food processing areas, bottling plants etc...

Packaging: 5 Kg Set.



ACTGROUT EP

Three component solvent free non-shrink epoxy grout used for base plate grouting, anchor bolt grouting, pile head waterproofing, structural filling of holes, honey combs cavities in concrete etc...

Packaging: 15 liter set.



ACTBOND EP

Two component solvent free epoxy resin based bonding agent used as adhesive between old and new concrete, cementitious mortar, concrete repairing system.

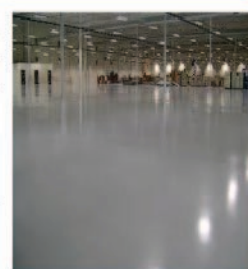
Packaging: 2 kg Set.



ACTFLOOR EP

A versatile two component solvent free epoxy resin floor coating which can be used for Chemical Plants, Workshops, Fabrication units, Terminals, Parking, car wash areas and Health care manufacturing units etc..

Packaging: 15 Liter Set.

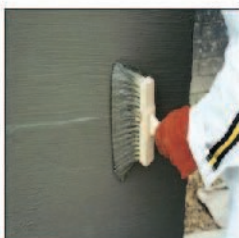


WATERPROOF MATERIALS AND WATERSTOPS

ACTSEAL NT

Flexible two component permanent nontoxic waterproofing system used for general construction waterproofing, drinking water reservoirs interior and exterior, swimming pools, left holes, spillways, bathrooms and kitchen slabs etc...

Packaging: 20kg Set.



ACTROOF SUPER

Highly elastomeric acrylic waterproofing coating UV resistant specially formulated for all types of roofs. Its highly durable and resistant against harsh weather conditions and assures good thermal tolerance and UV resistance.

Packaging: 20 Ltr.



ACT WATERSTOP

High grade PVC compound designed for sealing construction and expansion joint in reinforced concrete structure, swimming pool, water reservoirs etc..

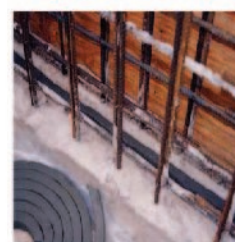
Packaging: 12 L.M. Roll



ACT SWELLSTOP

hydrophilic rubbery strip to be installed in the center of construction joints. It expands itself when it absorbs potable water, sea water or under ground salty water. It fills up the concrete joints.

Packaging: 10 L.M Roll.



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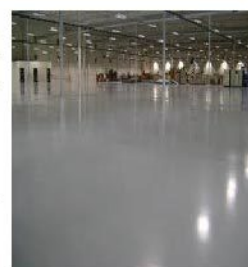
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EXPANSION JOINT SYSTEM

ACTFLEX SIL N

One part Antibacterial Antifungus neutral silicone sealant with excellent resistant to UV weathering, water and high temperature suitable for tropical conditions.



Packaging: 600ml Sausage.

ACTFLEX PUR

One part elastic low modulus polyurethane sealant with excellent UV resistance and high movement capacity for building and civil engineering constructions.



Packaging: 600ml Sausage.

ACTFLEX PS

Two part polysulphide low modulus joint sealant developed specially for dynamic joints has excellent resistance to UV and ozone, fuels (solvents) and oils.



Packaging:

Pouring Grade: 4 Ltr Set.

Gun Grade. : 2.5 Ltr Set

ACTFLEX CRYL 2000T

Acrylic based joint mastic general purpose and economical mastic and crack repair filler for interior and exterior between concrete and GRC element.



Packaging: 20 Kg Metal Pail.

ACRYSEAL

Over paintable one component acrylic sealant plastic – elastic flexible and highly durable sealant based on acrylic emulsion for low movement joints between wood and metal window frames, concrete elements etc...



Packaging: 270ml Plastic Cartridge.

ACTFLEX BIT

One part cold applied bitumen sealant for sealing expansion joints between roof tiles, concrete elements, asphalt roads etc...



Packaging: 20 Ltr Pail.

ACT BACKING ROD

Extruded closed cell polythelene backing rod designed for used in filling static and dynamic joints with varying degrees of expansion.



Size : 10, 15, 20, 25, 30, 40 & 50 mm

FLEXCEL SHEET

Multi purpose bituminized soft board made of natural wood fiber for concrete construction and expansion joint filler for wet and dry screeds.



Thickness : 12, 18 & 25mm

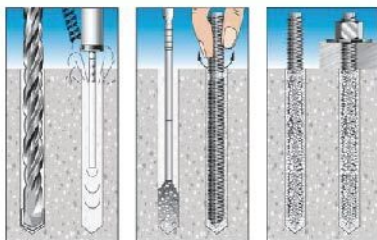
Size : 1.22 x 2.22 cm

CHEMICAL ANCHORS / RUST REMOVER

ACTFIX 345

Two component fast curing gun grade epoxy acrylate chemical anchor specially designed for anchoring in a wide range of weather conditions.

Packaging: 345ml cartridge.



ACTPOX PUTTY

Two component, 100% solids, solvent free epoxy resin adhesive system. It has thixotropic consistency and specially designed for leveling uneven surfaces.



Packaging: 1, 2, 5 Kg set. (A+B)

ACT RUST CONVERTER

Clear yellowish liquid component which contains zinc salt, wetting agent and acid. It removes the rust chemically by converting the rust and loose iron oxide into iron zinc phosphate complex which is a black metal organic protective layer

Packaging: 1 US Gallon



ACT POX ZINC RICH PRIMER

One / Two component liquid, anti-corrosion primer for steel and reinforcements consisting of a blend of epoxy resin, zinc fillers and to create an active anti-corrosion protection by the galvanic mechanism.

Packaging: 1 Ltr.

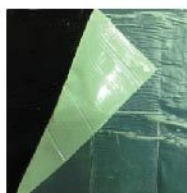


BITUMINOUS WATERPROOFING MEMBRANE

BITUSTICK

HDPE surfaced self-adhesive polymer modified bituminous waterproofing membrane. Cold applied easy to apply excellent adhesion to vertical and horizontal surfaces.

Packaging: 10m x 1m x 1.5mm.



BITUMINOUS MEMBRANE

4mm thickness torch applied high performance elastomeric waterproofing membrane. (APP modified, SBS modified, Fiber Glass modified)

Packaging: 10mx1mx4mm.

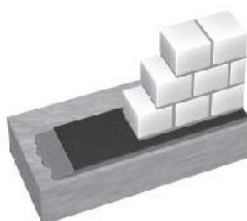


ACT DPC

Its an economical range of Damp Proof Course manufactured from polymer modified bitumine laminated two multi layer high density and tensile polyethylene.

Packaging : 20 Lm - Thickness : 1.5mm

Roll Width : 4,6,8,10 & 12 inches

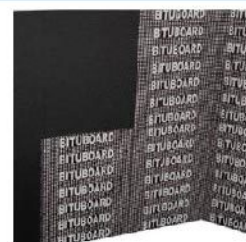


ACT BITUBOARD

Durable permanent asphaltic protection board to most waterproofing and damp proofing systems.

Packaging : 2m x 1m

Thickness : 3.2mm, 4mm & 6mm



INJECTION MATERIALS AND ACCESSORIES

WEBAC 1403

High grade, very low viscosity PU injection resin designed for the sealing of cracks in dry and wet areas.

Packaging: 10 Ltr Set (A+B).



WEBAC 150

High grade low viscosity PU injection foam resin which expands its volume up to 40 times up on contact with water to cure to very dense, hard-elastic foam designed for the sealing of cracks in wet areas.

Packaging: 10 Ltr Set (A+B)



WEBAC 4110

High grade two component epoxy injection resin designed for the sealing of structural dry cracks.

Packaging: 14 Kg Set (A+B)



ACTPLUG

Hydraulic cement based powder which starts setting within a minute. This sets so quickly and expands slightly, forming a leak proof plug.

Packaging: 10 kg.



WEBAC IP EASY PRO

One component high pressure diaphragm electrical pump for injection of Polyurathane & Epoxy resin which deliver 1.61 liter per minute.

Operating pressure: 0-150 bars



WEBAC HEP 1001

One component high pressure electrical injection pump for injection of Polyurethane & Epoxy resins which has delivery volume of approx. 30 liters per hour

Operating pressure: 0-400 bars



ACT IP 99

One component electric injection pump for injection materials like Polyurethane & epoxy resin which has delivery volume of 0.90 liter per minute.

Operating Pressure : 0 - 550 bars



WEBAC HP 100

One component manual injection pump for the application fo injection chemical like Polyurethane & epoxy resin.

Operating Pressure: 0 -100 bars.



PREDIMAX INJECTION HOSE

Reinjectable PVC injection hose for injecting PU resin, PU foam, epoxy resin and acrylates.

Diameter : 11mm



INJECTION PACKER

Different length 75, 110, 150 & 210mm, Mechanical drill packers and Aluminium & plastic surface packers available for injection work.

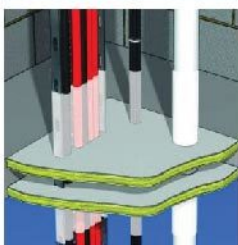


FIRE RESISTANT PRODUCTS

NULLIFIRE B747

Lightweight 2 hour fire barrier comprising of a mineral fibre board coated with an elastomeric, ablative water based sealant.

Board Size: 1200 x 600x 60mm.



NULLIFIRE FS 721

Nullifire FS721 Trowel Grade Acrylic Sealant is a single part waterborne fire resistant acrylic sealant.

Packaging: 10 Kg Pail.



NULLIFIRE B220

Nullifire B220 Structural Compound is a single part gypsum-based compound providing up to 4 hours fire resistance

Packaging: 20kg Bag.



NULLIFIRE B300

Nullifire B300 is a simple to use self-adhesive intumescent pipe wrap used for sealing plastic and composite pipe penetrations.

Available Size : 55mm – 160mm.



INTUMESCENT ACRYLIC SEALANT –FS 701

Nullifire M701 is a one part fire resistant joint sealant based on an emulsion acrylic

Packaging: 310 ml cartridge.



SOLVENT FREE SILICONE SEALANT-FS 703

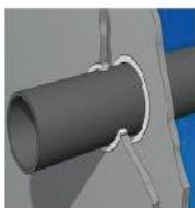
Fire resistant seal for high movement joints (up to 50%). For internal and external use like joints compartment walls and floors etc...

Packaging: 310 ml cartridge



INTUMESCENT ACRYLIC SEALANT – FS 705

Up to 2hr fire resistant single part graphite based intumescent sealant used for close off the plastic pipe penetration in the event of fire, negating the need for pipe closer or wrap system.



Packaging : 310 ml cartridge.

FIRE RETARDENT FOAM FF177

Single component fire rated polyurethane foam used to seal linear gap and excellent adhesive to wood, brick, stone, cement, plaster, polystyrene, cable sheaths, metals, plastics etc...



Packaging: 880 ml

INTUMESCENT PIPE COLLAR –B150

Galvanized steel shell lined with intumescent materials used for stop the spread of smoke and fire up to 2 hrs, along the pipe work that passes through the compartment walls and floors



Size : 55, 82, 110, 160mm

HIGH STRENGTH STRUCTURAL COMPOUND-B270

Up to 4 hr fire resistant single part gypsum based high strength structural compound used to stop spread the smoke and fire along services penetration such as single and bunched cables, cable trays, cable ladders steel and copper pipes etc...



Packaging: 20 kg bag

MISCELLANEOUS PRODUCTS

ACTMIX FOAM CONCRETE

A light yellow high quality foaming agent for use in all types of light weight screed and concrete.



It is particularly designed for the use in the production of foam concrete.

Packaging: 20kg and 200 kg drum

ACT RELEASE AGENT OB

It is a chemical oil base release agent applied on mould and shutter surfaces prior such as plywood, timber, steel, concrete and plastic to the casting of concrete.



Packaging: 20 & 200 lit drums

QUICKMAST FLEXIBLE STRIP

Highly elastic hypalon/ TPE tape designed to seal construction joints, expansion contraction joints and cracks even in damp conditions.



Size: Width 10, 15cm x length 100cm

ROOF MASTER XPS

Extruded rigid polystyrene foam boards developed into closed cell structure which allows high thermal resistance superior water resistance properties.



Size: 50mm x 600mm x 1250mm

ACTCURE C

Excellent curing and sealing properties of acrylic resin emulsion which prevent rapid evaporation of water from fresh concrete.

Packaging: 200 lit.



CORK SHEET

Easy applicable expanded corkboard is used often in any kind of construction as a thermal, acoustic or anti vibration insulation board.

Size: 50mm x 500mm x 1000mm



TERMITE CONTROL - AGENDA

AGENDA, pre/post construction termiticide. the product is approved by UAE municipality and registered under Ministry of Agriculture and Fisheries which has 20 years warranty.

Supply & Apply (15 years warranty)



ACT FIBERON

High performance micro polypropylene fibre which complies with the requirements of ASTM C-1116 developed a crack controlling additive for cementitious materials.

Packaging: 0.91 kg bag (6, 12 and 19mm)



GEOTEXTILE

A permeable textiles of synthetic fibers used in a conjunction with the soils or rocks as integral part of a manmade product, structure or system.

Roll size: 300m Roll



ACT TOP SEALER

A penetrative and impregnating sealer, single component, clear, transparent liquid specially formulated siloxane based surface penetrative protective treatment.

Packaging: 20 lit



POLYURETHANE FOAM

A one component sealing foam based on polyurethane chemistry. It exhibits excellent adhesion to wood, metal, door/window frames, glass painted surfaces, plasters, etc...

Packaging: 750ml spray can



ACTRUSH COAT CRC

Premium grade polymer modified cementitious premixed mortar for key coat application to coarsen the surface. A Pre-blended and requires only addition of water to achieve workable consistency.

Packaging: 25 kg bag



- ★ Bonding Agent & Plasticiser for Mortars.
- ★ Cold/ Hot Bitumen Waterproof Coating.
- ★ Cementitious Repair Mortars & Grouts.
- ★ Tile Adhesive & Tile Grout.
- ★ Chemical Anchors (Germany).
- ★ Cementitious & Acrylic Waterproof Coating.
- ★ PVC Waterstops & Swell Bars.
- ★ Fire Resistant Products (UK).
- ★ Joint Sealants (France).
- ★ Rust Remover for Steel Reinforcement (USA)
- ★ Injection Resins, Pumps & Packers (Germany).
- ★ Multi Injectable Hose (Switzerland).
- ★ Bituminous Water Proofing Membrane .
- ★ Shuttering Oil & Curing Compounds
- ★ Polystyrene Thermal Insulation Boards

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