



مصنع الخصوصية لكيمائيات البناء  
SPECIALITIES CONSTRUCTION CHEMICALS FACTORY

FOUNDED ON CONCRETE COMMITMENT

# PRODUCT SUMMARY GUIDE





## مصنع التخصصية لكيمائيات البناء SPECIALITIES CONSTRUCTION CHEMICALS FACTORY

Founded in 1990, **ASPEC** has established itself as a leading local manufacturer of specialized construction chemicals. **ASPEC** ensures that the “**KUT**” range of products meets the specific market requirements and above all, the climatic conditions of the Gulf and Middle East.

The quality management system of the company conforms to the requirements of ISO 9001. Independent verification of the company's quality management system is provided by SGS, an accredited certification body.

This product manual is updated on a regular basis, however with subsequent developments there may be changes, which may not be included. Please contact our technical department for any further information and guidance.

This product manual is presented to contractors, suppliers, architects, contracting engineers and general users of “**KUT**” products.

# ADMIXTURES FOR CONCRETE AND MORTAR

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST 210</b>	A normal water reducing Admixture.	To improve effectiveness of the water content in concrete mixes with negligible effect on setting times at normal dosages.	0.14 to 0.21	BS 5075 Part I ASTM C 494 Type A
<b>KUT PLAST 220</b>	A water reducing and retarding concrete Admixture for general use	To improve effectiveness of the water content in concrete mixes having low cement content and delays initial set.	0.1 to 0.3	BS 5075 Part I ASTM C 494 Type D
<b>KUT PLAST SP200</b>	Superplasticising, water reducing and strength accelerating Admixture	To provide substantial improvements in workability without increased water or the risk of segregation for improved concrete density and surface finish, to get normal set without retardation even if accidentally overdosed.	0.3 to 1	BS 5075 ASTM C 494 Type F
<b>KUT PLAST MF</b>	Superplasticising, water reducing and strength accelerating Admixture	To produce concrete with up to 30% reduction in water content and hence used for high durability or ultra high strength concrete and for white concrete.	0.3 to 1.0	BS 5075 Part I ASTM C 494 Type F

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST RSP*</b>	Superplasticising, retarding and high range water reducing Admixture	To produce self-levelling concrete without segregation, provides excellent workability. Recommended for use concrete mixes containing PFA, GGBFS and Microsilica	0.40 - 1.50	BS 5075 Part 3 ASTM C - 494 Type G
<b>KUT PLAST RNA</b>	Superplasticising, water reducing and retarding Admixture	To produce concrete with high degree of workability and workability retention especially where high ambient temperature or transportation delays are encountered	0.15 to 0.6	BS 5075 Part I ASTM C 494 Type G
<b>KUT PLAST RNA-S</b>	Superplasticising, water reducing and retarding admixture	To produce concrete with high degree of workability and workability retention especially where high ambient temperature or transportation delays are encountered.	0.15 to 0.6	BS 5075 Part I ASTM C - 494 Type G
<b>KUT PLAST PCE 600</b>	A High performance concrete superplasticiser based on modified Polycarboxylic polyethers	To produce concrete with low permeability increased early and ultimate strength. Ideal admixture for precast, light weight and aerated concrete.	0.15 to 0.75	ASTM C 494 Type A & F ASTM C 1017 Type - I plasticizing

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST SP 100</b>	Superplasticising, high range and water reducing Admixture.	To provide self-leveling concrete practically eliminating the need for vibration during placing, to get excellent workability even at low water: cement ratio in high workability concrete where fast shutter removal is desired.	0.4 to 1.25	BS 5075 ASTM C 494 Type F
<b>KUT PLAST SP 100 EW</b>	Superplasticising, High range and water reducing admixture	To provide self-levelling concrete practically eliminating the need for vibration during placing, to get excellent workability even at low water; cement ratio in high workability concrete where fast shutter removal is desired.	0.40 - 1.50	BS 5075 ASTM C - 494 Type G
<b>KUT PLAST SP 500</b>	High performance, water reducing and superplasticising Admixture	To provide self-levelling concrete practically eliminating the need for vibration during placing, to get excellent workability even at low water; cement ratio in high workability concrete where fast shutter removal is desired.	0.3 - 1.50	BS 5075 ASTM C - 494 Type G
<b>KUT PLAST SP 550</b>	High performance, High strength, High water reducing superplasticising admixture	To produce highly fluid self levelling concrete and upto 25 % reduction in free water without loss of workability in normal concrete mixes with early strength	0.3 to 1.5	BS 5075 ASTM C - 494 Type F & G
<b>KUT PLAST PCE 200</b>	A High performance concrete superplasticiser based on modified Polycarboxylic polyether	To produce high strength concrete with high workability without retardation. Suitable in precast applications providing fast shutter stripping.	0.30 to 1.50	BS 5075 ASTM C - 494 Type - G
<b>KUT PLAST PCE 254</b>	A High performance concrete superplasticiser based on polycarboxylate technology	To produce high strength concrete with high workability without retardation. Suitable in precast applications providing fast shutter stripping.	0.25 to 1.0	ASTM C 494 TYPES - B,D and G ASTM C 1017 TYPE - II Plasticizing & Retarding

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST PCE 322</b>	A High performance concrete superplasticiser based on polycarboxylate technology	To produce high strength concrete with high workability without retardation. Suitable in precast applications providing fast shutter stripping.	0.20 to 1.25	BS 5075 ASTM C 494 TYPE - F
<b>KUT PLAST PCE 402</b>	A superior high performance concrete hyperplasticiser based on polycarboxylate technology	To produce high strength concrete with high workability without retardation. Suitable in precast applications providing fast shutter stripping.	0.15 to 1.0	ASTM C 494 TYPES - B,D and G ASTM C 1017 TYPE - II Plasticizing & Retarding
<b>KUT PLAST PCE 452</b>	A superior high performance concrete hyperplasticizer based on polycarboxylate technology	To produce self compacting low permeability concrete with good workability retention as well early strength. suitable for ready mix and precast concrete industries where high durability and performance is required	0.1 to 1.25	BS 5075 ASTM C - 494 Type F & G, ASTM C 1017 TYPE II Plasticizing and retarding
<b>KUT PLAST PCE 1200</b>	A High performance concrete superplasticiser based on modified Polycarboxylic polyethers	To produce self compacting low permeability concrete with increased flexural, early and ultimate strength	0.15 to 1	ASTM C 494 TYPES - B,D and G ASTM C 1017 TYPE - II Plasticizing & Retarding
<b>KUT PLAST PCE 502</b>	A superior high performance concrete hyperplasticiser based on polycarboxylate technology	To produce self compacting low permeability concrete with increased flexura, early and ultimate strength. Suitable for mixes containing Microsilica, PFA and GGBFS	0.15 to 1	ASTM C 494 TYPES - B,D and G ASTM C 1017 TYPE - II Plasticizing & Retarding

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST PCE 2000 VM</b>	Pumping Aid and segregation reducing Admixture	To produce self compacting cohesive concrete less sensitive to variation in sand grading and moisture content in aggregates less	0.15 to 1.0	ASTM C 494 TYPES - B,D and G ASTM C 1017 TYPE - II Plasticizing & Retarding
<b>KUT PUMPING AID</b>	Pumping Agent	To enhance the lubrication of concrete pump	250gms in 20 liter water	
<b>KUT PLAST AEA</b>	Air entraining Admixture for concrete	To improve durability and quality of concrete and its resistance to frost and deicing salts	0.015 to 0.03	BS 5075 Part 2 ASTM C 260
<b>KUT PLAST LWC</b>	Foaming agent for light weight concrete	To produce light weight concrete mixes, with or without aggregates for Flat roof insulation screeds including the provision of drainage «falls», Insulated floor screeds, Filling of old underground pipes, tunnels, sewers, storage tanks, shelters and basements etc.	Depends on required density	ASTM C 869
<b>KUT PLAST NC</b>	Set Accelerating admixture for concrete and mortar	To accelerate the setting and early strength of Portland cement concrete and mortar	0.5 to 2.5	BS 5075, ASTM C 494 Type C
<b>KUT PLAST CaNi</b>	Calcium nitrite corrosion inhibiting Admixture	Used to inhibit the potentially corrosive effects of chloride-bearing concrete-making ingredients, when used will effectively inhibit corrosion in all types of steel reinforced concrete including precast / pre-stressed and post-tensioned applications.	5.0 to 30.0 L/m <sup>3</sup>	ASTM C 494 Type C

PRODUCT	DESCRIPTION	APPLICATION	DOSAGE RATE LITRES PER 50 KG WEIGHT OF CEMENT	STANDARDS
<b>KUT PLAST IWP</b>	Integral water proofing Admixture	To provide better dispersion of cement particles giving closer packing and reduces pore size to minimize capillary action in concrete to waterproof concrete	0.5	DIN 1048 Part – 5 & DIN 1045 page 24 clause 6.5.7.5
<b>KUT PLAST WP1</b>	Water proofing Admixture for paving blocks, tiles and bricks	To provide reduced water demand mix in semi dry mixes and to make mixes more denser, giving reduced water permeability and increased strength.	1 kg	In house QA Standards
<b>KUT PLAST UW</b>	Admixture for under water concrete	Specially designed to place concrete underwater	0.25 to 1.25	
<b>KUT PLAST EPG</b>	Plasticised expanding grout Admixture	To produce Non - Shrink concrete mixes where a reduced water / cement ratio and positive expansion is required. bed grouting, duct grouting, non-shrink concrete infilling & jointing.	250 gm	BS 8110 Part 1, Section 8.9.4.6.
<b>KUT PLAST CABLE GROUT</b>	Powder Admixture to produce grouts to protect post-tensioned cables in pre stressed concrete	An admixture for cementitious grouts where a reduced water / cement ratio and positive expansion is required. Applications include bed grouting, cable grouting duct grouting, non-shrink concrete infilling & jointing	0.25 to 0.5	BS 8110 part 1-1985 ASTM C - 939 & 940



# GROUTS AND ANCHORING PRODUCTS

PRODUCT	DESCRIPTION	APPLICATION	YIELD/ BAG	SPECIFICATION	Compressive Strength at 25°C, days Flowable N/mm²		
					1	7	28
<b>KUT GP GROUT</b>	One Component Non shrink general purpose grout	Used for Grouting of Machinery base plates, structural grouting of precast elements and other grouting applications.	12.5 litre to flowable consistency /bag of 25 kgs.	ASTM C 1107 Grade A ASTM C 191, BS 1881, BS 4551	22	50	61
<b>KUT FLOW GROUT</b>	One Component High fluid grout	Used for Grouting of heavy duty machinery base plates, such as Power Generators. Oil Storage tanks Columns, Bridge rails, Compressors, Electrical pylons etc.	12.5 litre to flowable consistency /bag of 25 kgs.	ASTM C 1107 Grade C ASTM C 827 ASTM C 109 BS 1881, BS 5883 BS 4550, BS 4551	24	52	63
<b>KUT FLOW GROUT - SPL</b>	One Component Non shrink, High strength, highly fluid and long retention precision grout	Used for Grouting of heavy duty machinery base plates, such as Power Generators. Oil Storage tanks Columns, Bridge rails, Compressors, Electrical pylons etc.	13.6 litre to flowable consistency /bag of 25 kgs.	ASTM C 1107 Grade C, ASTM C 827, ASTM C 109, BS 1881, BS 5383, BS 4550, BS 4551	15	40	60
<b>KUT SUPER GROUT</b>	High strength high fluid grout	Used in grouting heavy duty machinery base plates - power generators - pumps – base plates for electrical pylons and oil storage tanks - columns - crane rails - bridge seats - compressors and recommended especially for situation where compressive strengths exceeding 75 N/mm² are required. It is suitable for use in marine environments.	14.10 litres per 30 kg bag flowable consistency	ASTM C 1107 Grade C ASTM C 827 ASTM C 109 CRDC C 81 BS 5383, CRDC C 621, BS 1881, BS 4550, BS 4551		60	81

PRODUCT	DESCRIPTION	APPLICATION	YIELD/ BAG	SPECIFICATION	Compressive Strength at 25°C, days Flowable N/mm²		
					1	7	28
<b>KUT NON SHRINK PUMPING GROUT</b>	Non shrink cementitious pre-mixed pumping grout	Used for general purpose grouting of narrow concrete cracks or gaps between concrete and metal structures, metal electrical lighting poles base plates and the concrete supporting foundation & cable duct grouting in post tensioned concrete members.	16 ltrs. per 25 kg. bag at flowable / pumpable consistency	BS –1881 ASTM C–827-78 BS – 4551, BS 5075 –Part 2 ASTM C – 1107 Grade C	20	45	60
<b>KUT NS GROUT</b>	Non shrink cementitious grout	For a wide range of applications such as grouting of machinery base plates- structural grouting of precast elements-grouting of bridge seats-beams and columns - handrails.	15 Litres per 30 kg bag flowable consistency	ASTM C 1107 Grade A ASTM C 191 ASTM C 109 BS 1881	35	50	80
<b>KUT CP ANODE GROUT</b>	Grout for cathodic protection	Fluid grout with dual expansion for protecting and encasing iron in concrete.It is suitable for use in marine environments	12.5 litre to flowable consistency /bag of 25 kgs.	BS 1881	22	46	62
<b>KUT EPOXY GROUTS</b>	Solventless free-flow epoxy grouts Grade - EPLV for gap width 0.3 mm to 10 mm Grade - EPS for gap width 8 mm to 40 mm Grade - EPL for gap width 30 mm to 70 mm	For all grouting applications especially those requiring chemical resistance and heavy duty resistance to vibrational & other dynamic or mobile loads such as transporter rails, compressors, high speed turbines, heavy duty equipment etc, EPLV Grade is recommended for crack injection applications.	12.5 litre to flowable consistency /bag of 25 kgs.	ASTM C 1107 Grade A ASTM C 191, BS 1881, BS 4551	22	50	61

PRODUCT	DESCRIPTION	APPLICATION	YIELD/ BAG	SPECIFICATION	Compressive Strength at 25°C, days Flowable N/mm²		
					1	7	28
<b>KUT EPOXY GROUT NO. 4</b>	Three Components Non shrink free flow epoxy grout	For all grouting applications especially those requiring chemical resistance and heavy duty resistance to vibrational and other dynamic or mobile loads.	21.6 kg Pack, Yield 10.535 litres	ASTM C - 827 ASTM C - 579 ASTM C - 580 ASTM C - 307 ASTM C - 531	75	110	
<b>KUT EPOXY GROUT NO.4 - BLUE</b>	Three Components Non shrink free flow epoxy grout	Used to replace steel soleplates or rails and is used as an epoxy foundation capping material which is resistant to high operating temperatures.	21.6 kg Pack, Yield 9.8 litres	ASTM D - 696 ASTM C - 109 ASTM D - 638 ASTM C - 531 ASTM D - 2583		111	
<b>KUT EPOXY GROUT NO.4 - BLACK</b>	Non shrink free flow epoxy grout	Used for all grouting applications, especially those requiring chemical resistance thermal surface and heavy duty resistance to vibrational and other dynamic or mobile loads.	21.6 kg Pack, Yield 9.8 litres.	ASTM D – 696 ASTM D - 695 ASTM D - 638 ASTM C - 531 ASTM D – 2583		111	
<b>KUT EPOXY GROUT NO.4 - RED</b>	Heavy duty epoxy grout	Used for all grouting applications, especially those requiring chemical resistance and heavy duty resistance to vibrational and other dynamic and mobile loads and to support sole plates in all types of foundation designs.	36.2 kg Pack, Yield 15.74 litres.	ASTM C - 579 ASTM C - 531 ASTM D - 638 ASTM D - 696		121	

PRODUCT	DESCRIPTION	APPLICATION	YIELD/ BAG	SPECIFICATION	Compressive Strength at 25°C, days Flowable N/mm²		
					1	7	28
<b>KUT EPOXY GROUT NO.4 - ORANGE</b>	Non shrink free flow epoxy chock	For grouting applications, especially those requiring chemical resistance thermal surface an heavy duty resistance to vibrational and other dynamic or mobile loads.	5 kg. pack yields 3 ltrs.	ASTM D 696 ASTM D 695 ASTM D 638 ASTM C 531 ASTM D 2583		120	
<b>KUT EPOXY GROUT PC-1</b>	Non shrink free flow epoxy grout	For all grouting applications especially those requiring chemical resistance and heavy duty resistance to vibrational & other dynamic or mobile loads such as transporter rails, compressors, high speed turbines, heavy duty equipment etc, EPLV Grade is recommended for crack injection applications.	EPLV 0.95 Lit per 1 kg pack. EPS 5.535 Litres per 10.8 kg pack. EPL 10.530 Litres per 21.6 kg pack	ASTM-C 88187- - Type I, IV & VI, Grade 2, Class B&C Passes ASTM-C 883 & ASTM-C 884.	60	80	
<b>KUT EPOXY ANCHOR</b>	Solventless epoxy resin based anchor Grade - NS for non sag applications Grade - P for pourable applications	High strength corrosion resistant anchoring of bolts and bars from 1251- mm diameter into concrete, rock, masonry or brickwork where high speed of installation and early application of load is required.	6.2 kg Packs. Yield 3.1 litres	BS 4551 – BS 5080 & BS 2782	12 HRS 30	1 Day 75	7 Day 90
<b>KUT INJECTOPOX</b>	Epoxy resin based low viscosity crack injection system	For injecting into cracks in concrete or masonry, to form a permanent bond or seal and thus prevent water seepage in areas such as basements, swimming pools etc.	1 kg. Pack yielding 0.950 litres.			35	
<b>KUT INJECTOTHANE 100</b>	Two Component Polyurethane based flexible low viscosity crack injection system	For injecting into cracks for, dry, damp or wet concrete or masonry. It is designed as a permanent solution to seal and bond cracks in concrete and masonry.	21 kg pack yields 19.75 litres				

# CURING COMPOUNDS & SURFACE RETARDERS

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	APPLICATION RATE
<b>KUT CURE P</b>	Acrylic polymer based curing membrane for concrete	Used to cure, seal and dust proof harden concrete/white concrete and renders without the stains caused by resin curing membranes, does not have problems associated with adhesion of subsequent finishes common in wax based curing membrane.	ASTM C 309 when tested in accordance with ASTM C - 156.	8 – 10 m <sup>2</sup> /kg
<b>KUT CURE WB</b>	Water based concrete curing compound	Provides a spray-on temporary membrane to retain moisture in concrete for effective curing. Used for concreting generally but especially useful for large areas of concrete construction such as runways, motorways or bridgework.	ASTM C 309 when tested in accordance with ASTM C - 156  ASTM C309-74. US Federal Specification TT -C800 A CP110: 1972 : Part 1: Clause 6.1/6.2	160 – 280 ml per m <sup>2</sup>
<b>KUT CRETETARD TF</b>	Top face surface retarder	Used for application onto freshly placed horizontal concrete to produce an exposed aggregate surface excellent for receiving subsequent concrete or toppings		3.5m <sup>2</sup> /litre
<b>KUT CRETETARD MF</b>	Mould face surface retarder	Used to give an exposed aggregate surface on the mould face to give a key for further concreting or subsequent surface treatments.		6.0-10.0 m <sup>2</sup> /litre 2 coat application



# FLOORING SYSTEMS

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	POT LIFE at 20°C	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ COVERAGE
					1	7	28	
<b>KUT FLOW TOP</b>	A cementitious self leveling traffic grade floor topping	Used for leveling of surfaces and repair of old worn concrete. Typical applications include floor repairs, warehouses, manufacturing facilities, rehabilitation, docks and office floors.	ASTM C 1042	30 minutes			40	30kg pack yields 14 litres. at 5mm thickness covers 2.8m²
<b>KUT FLOOR UNDERLAY</b>	A one component cementitious self leveling floor underlay	For levelling out uneven floor surfaces prior to covering with floor finishes e.g. tiles, carpeting, linoleum, rubber and other sheet flooring.	BS 4550 ASTM C 1042	30 minutes			35	2.5kg/m² at 1.5 mm thick.
<b>KUT SHAKE TOP</b>	A natural aggregate based shake on floor hardener	Used to produce abrasion resistant  Monolithic floor topping for surfacing concrete to provide hard abrasion resistant surface to new concrete in traffic areas.	BS – 882 BS 4550		40	70	85	3 to 7 kg per m²
<b>KUT EMERY TOP</b>	An emery based shake on floor hardener	Use to provide an extremely hard wearing, abrasion resistant monolithic surface to new concrete floors.	ASTM 799 BS 812		40	75	100	3 to 7 kg per m²
<b>KUT FLOOR HD</b>	A heavy duty epoxy resin based floor screed for industrial use	As a floor topping with exceptionally high strength and resistance to attack from mechanical wear and produces a safe non-slip finish.	BS 6319	60 minutes @ 30°C	Comp Strength 65@7d	Flexural Strength 15@7d	Tensile Strength 7 @ 7d	33kgs pack covers 3.0m² at 5mm thickness

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	POT LIFE at 20°C	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ COVERAGE
					1	7	28	
<b>KUT FLOOR SL</b>	A self leveling epoxy resin based floor topping	To produce seamless self levelling epoxy paint, multi layer screeds, self levelling screeds and non-skid finishes, ideal for industrial or commercial locations.	BS 6319	45 minutes @ 30°C	Comp Strength 55@7d	Flexural Strength 35@7d		30 kg pack yields 16.5 liters (Covers 8 m² in 2 mm)
<b>KUT FLOOR COATING GP</b>	A chemical and abrasion resistant coating for walls, ceiling and floors	Used in areas where high resistance to chemical attack is required and where it should be hard wearing, easily cleaned attractive floor with good abrasion resistance, suited for wet work areas.		4 hrs				5.0 kg pack – coverage 40m² per coat
<b>KUT FLOOR COATING GP SF</b>	Solvent free,high build,epoxy resin coating	Used in areas where high resistance to chemical attack is required and where it shuld be hard wearing, easily cleaned attractive floor with good abrasion resistance, suited for wet work areas		20 minutes @30°C		70N/mm²		5m²/Ltr @200 mic. WFT
<b>KUT FLOOR COATING SRE</b>	High build, solvent free Epoxy floor coating	Used in areas where high resistance to chemical attack is required and where it shuld be hard wearing, easily cleaned attractive floor with good abrasion resistance, suited for wet work areas	ASTM D 570, ASTM D 2240, ASTM D 543	60 minutes @30°C	Comp Strength 70N/mm² @7d	Flexural Strength 40N/mm²	Tensile Strength 20N/mm²	5m²/Ltr @200 mic. WFT
<b>KUT FLOOR SEAL NO. 1</b>	A liquid form chemical floor hardener, dust proofer and penetrating sealer for concrete floors	It hardens and improves the abrassion resistance of concrete floors and seals the surface against prenatration of oils, chemicals and chlorides.						6 to 12m²/Ltr



# CONCRETE REPAIR PRODUCTS

PRODUCT	DESCRIPTION	APPLICATION	WATER/ POWDER RATIO	STANDARDS	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ BAG
					1	7	28	
<b>KUT FAIRING COAT</b>	One component polymer modified fairing or leveling coat	Is used to produce fair faced concrete appearance after patch repairs to walls, for levelling uneven surfaces, filling honey combs and precast units and walls. Also suitable for use in marine structures.	0.18					14.75Ltrs. Per 25kg/bag
<b>KUT SUPERCOAT NO. I</b>	One component polymer modified general purpose cementitious repair mortar	To repair damaged structural concrete and all types of masonry under a wide range of normal, industrial and marine environmental exposures.	0.12	BS - 4550 BS - 1881		29	42	15 litres per 25kg bag at mortar consistency
<b>KUT SUPERCOAT NO. II</b>	Two component polymer modified cementitious repair mortar	It is used for the reinstatement of damaged concrete, walls, soffits, beams and columns.	polymer-powder ratio 0.12	BS - 4550, BS - 1881		28	38	15 litres per 30kg pack at mortar consistency
<b>KUT FILLET PAK</b>	Two component polymer modified cementitious fillet packing and general purpose repair mortar	Used for packing and filling junction fillet strips or chisel opened gaps between walls and floors in water leaking basements and tie-rod holes in concrete structures.	polymer-powder ratio 0.10			34	50	(12.8 litres per 30 KG KIT at Mortar consistency) 2.5 kg/m² per pack at 5mm thickness
<b>KUT AQUA FLOW STOP</b>	Polymer cement water proofing slurry	Used As a waterproof lining for water retaining structures/ swimming pools, a waterproofing coating for sea-water structures, a protection to concrete surfaces from carbonation and chloride attack	0.33 Polymer: Powder ratio by weight	BS 1881-Part 5 1983-I.S.A.T, DIN 1048: Water penetration test				1.8 kg per square metre at 1mm thickness or 11m² per 20 kg set

PRODUCT	DESCRIPTION	APPLICATION	WATER/ POWDER RATIO	STANDARDS	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ BAG
					1	7	28	
<b>KUT AQUA FILL PLUG</b>	Rapid setting water sealing mortar	Designed to seal very rapidly all water seepages in damaged concrete structures	0.33		1 Hr 5-7	3 Hr 7 - 10	25	1kg yields 0.5 litres
<b>KUT BONDING LAYER</b>	Cementitious cladding system	Used for external façade and internal wall cladding to enhance adhesion to concrete & masonry surfaces	0.2	ASTM C - 109 & BS 1881			10	
<b>KUT FLOWCRETE</b>	Non shrink high performance fluid repair microconcrete	It is formulated for free flowing in between highly congested reinforcement located in difficult to reach areas, ensures its penetration into honeycombed concrete.	0.130 flowable consistency. 0.10 for mortar consistency	ASTM C-1107 Grade C BS – 1881 UK Dept of Transport Standard BD 2791/ BS - 4550 CRDC - 821 - 82 A BS - 6319	30	58	80	15 litres per 30 kg bag 1.25kg/m²
<b>KUT FASTCRETE</b>	One Component Fast setting cement based patching material	For the rapid patching of horizontal concrete surfaces such as airport runways, expressways, highways, bridge decks, streets, sidewalks, parking decks loading docks and floors.	0.11		24	41	58	13 litres per 25 kg bag in mortar consistency
<b>KUT OVERHEAD MORTAR</b>	Cementitious high build repair mortar	It is made for general purpose wide range multi-application repairs and patching of damaged concrete walls, soffits, columns, overhead beams, spalled concrete, roof, parapet walls etc.	0.160	BS - 1881 BS - 4550 BS - 4551		24	31	14 litres per 18 kg bag

PRODUCT	DESCRIPTION	APPLICATION	WATER/ POWDER RATIO	STANDARDS	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ BAG
					1	7	28	
<b>KUT RENCON S</b>	One component polymer modified cementitious structural repair mortar.	Recommended for structural reinstatement of damaged concrete for beams and columns in inland and marine environments.	0.10			35	60	12.8 litres per 25kg bag at mortar consistency
<b>KUT EPOXY MORTAR GP</b>	Three Components General purpose epoxy resin mortar	For speedy and permanent repairs to concrete structures, where strength, impermeability to water and resistance to aggressive chemicals is essential. Emergency repairs to concrete structures, repairs to acid tanks, sea walls, industrial floors in plating shops, chemical handling and process areas and bedding of precast concrete beams. It is suitable for use in marine environments.		ASTM-C 881 - Type I & IV, Grade 3, Class B&C Passes ASTM-C 883 & ASTM-C 884		75		16kgs packs which yields 8 litres theoretical coverage 1 .6m² at 5mm thickness
<b>KUT EPOXY MORTAR HB</b>	Three Components High build epoxy resin mortar	For speedy and permanent repairs to concrete structures, especially in overhead and vertical situations where «High Build» repairs are required and impermeability to water and resistance to aggressive chemicals is essential.		ASTM-C 881 - Type I & Grade 3, Class B&C Passes ASTM-C 883 & ASTM-C 884		42		10.5kg packs yields 10 litres theoretical coverage of 2.0m² at 5mm thickness.

PRODUCT	DESCRIPTION	APPLICATION	WATER/ POWDER RATIO	STANDARDS	COMPRESSIVE STRENGTH at 25°C, N/mm², DAYS			YIELD/ BAG
					1	7	28	
<b>KUT EPOXY MORTAR SP</b>	<b>Three Components</b> Solvent free epoxy lining and benching mortar	Primarily intended for use in vertical and horizontal patching / resurfacing of both dry and damp surfaces, for repair and rehabilitation of manholes and similar enclosed structures		ASTM-C 881 - Type I, Grade 3, Class B&C Passes ASTM-C 883 & ASTM-C 884		70		16kg packs yields 8 litres theoretical coverage of 1.6m² at 5mm thickness
<b>KUT EPOXY MORTAR FC</b>	<b>Two Components</b> Epoxy based fairing coat	For filling blow holes, making fair slightly damaged concrete, eliminating minor irregularities prior to painting or coating.		ASTM C 881 – Type 1 & 4, Grade 3 Class B & C. Passes ASTM C 883 & ASTM C 884	50	70		6 kg. pack covers 3.5 m² in 1 mm, yielding 3.53 ltrs. per 6 kg. pack

# BONDING AGENTS, TILE FIXING & GROUTING COMPOUNDS

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	WATER/ POWDER RATIO	POT LIFE at 25°C	APPLICATION RATE, m <sup>2</sup> 1
<b>KUT TILE MORTAR</b>	An acrylic polymer based cementitious tile fixing mortar	For fixing ceramic and quarry tiles on concrete / render walls and floors. It can also be used for fixing tiles on timber	ANSI - A 136.1 ANSI - A 118.1 BS - 5980 - TYPE 1 CLASS AA.	0.20	90 minutes	8.5 m <sup>2</sup> per 25 kg bag in 2 mm
<b>KUT TILE MORTAR -EG</b>	Acrylic polymer modified cementitious Tile Adhesive	For fixing ceramic and quarry tiles on concrete/ render walls and floors. It can also be used for fixing tiles on timber.	ANSI - A 136.1 ANSI - A 118.1 BS - 5980 - TYPE 1 CLASS AA	0.2	90 minutes	4 - 5m <sup>2</sup> @3mm thickness
<b>KUT TILE ADHESIVE -EG</b>	Polymer modified cementitious Tile Adhesive	For fixing ceramic and quarry tiles on concrete/ render walls and floors. It can also be used for fixing tiles on timber.	ANSI - A 136.1 ANSI - A 118.1 BS - 5980 - TYPE 1 CLASS AA	0.2	90 minutes	4 - 5m <sup>2</sup> @3mm thickness
<b>KUT TILE ADHESIVE LM</b>	Acrylic latex modified cementitious tile adhesive	For fixing ceramic and quarry tiles on concrete/ render walls and floors. It can also be used for fixing tiles on timber.	ANSI - A 136.1 ANSI - A 118.1 BS - 5980 - TYPE 1 CLASS AA	0.2	90 minutes	4 - 5m <sup>2</sup> @3mm thickness

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	WATER/ POWDER RATIO	POT LIFE at 25°C	APPLICATION RATE, m <sup>2</sup> 1
<b>KUT TILE GROUT</b>	An acrylic polymer based cementitious tile grout	For internal and external tiling in dry and wet conditions including swimming pools	BS-5980	0.25	30 minutes	5.5 litres per 10kg bag or 13.75 litres per 25kg bag
<b>KUT FLEXI</b>	A special polymer of cementitious mortar and renders	Recommended as a additive for thin bed mortars in installing tile, paver, brick, marble and stone. These mortars are suitable for interior and exterior use over concrete as well as masonry type surface	ANSI A 118.4, ANSI A 118.1 and ANSI 136.1	50 kg cement: 50 kg sand: 20 kg KUT FLEXI	Mortars remain workable for 1-2 hours	Slurry Bond Coat 2.0 - 2.25 m <sup>2</sup> Per kg
<b>KUT POLYFIX SBR</b>	A general purpose synthetic rubber latex emulsion for cementitious mortar	To improve the water and chemical resistance of cementitious mixes made at the local job sites for indoor as well as outdoor applications and for wet areas such as toilets, bathrooms etc.	ANSI A 118.4	Cement 50 kg. Grade C/N sharp sand 150 kg. KUT POLYFIX – SBR 20 kg		
<b>KUT SBR NO. 1</b>	A high concentration SBR copolymer	Used as an integral adhesive and admixture to produce at the job site polymer modified cementitious mixes, increases the waterproofing and chemical resistance of cementitious mixes used as renders	ASTM C - 1059			17kg of KUT SBR No. 1 mixed with 50kg cement will cover 32-38 sq.m./coat

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	WATER/ POWDER RATIO	POT LIFE at 25°C	APPLICATION RATE, m <sup>2</sup> 1
<b>KUT BOND PVA</b>	A polyvinyl acetate based bonding agent and cement improver	Used for improving and bonding of floor topping, cement renderings and mortars, repair of damaged and spalled concrete for dry exposure conditions. It is used as tile adhesive when mixed with cement and blended sands	BS 5270			1Ltr/6 - 12m <sup>2</sup>
<b>KUT BOND TN</b>	Epoxy resin based old to new concrete bonder	Used as a bonder for old concrete to new freshly laid concrete and cementitious repair products	ASTM C 881 Type II & V Grade 2 – Class B & C. ASTM C – 882		5 hours	2.5 to 3.5 m <sup>2</sup> /kg
<b>KUT EPOXY BONDER OTN</b>	An epoxy resin based bonding agent for old concrete to new freshly laid concrete	Used as a bonder for old concrete to new freshly laid concrete. It may also be used as a primer for placing KUT EPOXYMORTARS on dry as well as damp substrates	881-87 – Type II & V Grade 2 - Class B&C ASTM-C 882-87		50 minutes	2.5 - 3.5 m <sup>2</sup> /kg

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	WATER/ POWDER RATIO	POT LIFE at 25°C	APPLICATION RATE, m <sup>2</sup> 1
<b>KUT EPOXY TILE GROUT</b>	High performance, water wipeable epoxy resin based tile adhesive and grout	Used as a high performance epoxy grout with exceptional chemical resistance for bedding and grouting tiles in heavy duty environments	ASTM-C 881 - Type I, Grade 3 ANSI A 118.3		1.5 hrs to 5 hrs	6.2kgs pack. Yields 3.4 litres
<b>KUT SEGBOND 2550</b>	An epoxy adhesive for segmental bonding of match cast and precast concrete sefments	Used as a Thixotropic adhesive for segmental bonding of match cast and precast concrete segments, to provide a waterproof joint	ASTM C 881 - Type II, V and VI, Grade - 3 - Class B, C, E and F ASTM C 579 ASTM D 695 ASTM D 2471 ANSI 118.4		25°C -75 min 50°C- 25 min	1m <sup>2</sup> /Ltr @1mm thickness



# PRIMERS, PROTECTIVE COATINGS & MEMBRANES

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT AQUASIL</b>	Silane siloxane based penetrating water repellent primer and sealer	Used to protect atmospherically exposed reinforced concrete structures from attack by chloride ions and water intrusion	ASTM E514 – 90 SS W110C			0.2 litres/m <sup>2</sup> per coat
<b>KUT AQUASILANE - NO.1</b>	Alkoxysilane based penetrating water repellent for concrete structures	Suitable for use on all types of structures, including those in marine environments. bridges, highway structures, Harbours, parking decks & garages. It is equally suitable for new and existing concrete structures	ASTM E 514, SS W110C			0.15 litre/m <sup>2</sup> per coat
<b>KUT BITU COAT</b>	Fibre Reinforced, Rubberized bitumen emulsion protective coating	Recommended for Protection of concrete foundations, footings, retaining walls, footing, Damp-proofing of concrete basements, walls, floors, block work wall etc.	ASTM D 1227			The thickness of 0.5 mm will be achieved per m <sup>2</sup> /kg
<b>KUT BITU SEAL</b>	Rubberized, Bitumen emulsion protective coatings	Protective coatings for concrete foundations, retaining wall, column necks, ground beams and other structures liable to be back filled	BS 6949			0.3 to 0.5 kg / m <sup>2</sup> /coat @ dft 150µ
<b>KUT BITU PRIME NO.2</b>	Highly penetrative cold applied bitumen primer	Used as a primer coat prior to the application of waterproofing membranes, bitumen coatings and asphalt products	ASTM D 41, BS 3416			0.1 to 0.3 kg / m <sup>2</sup> / coat
<b>KUT EPOXY PRIMER S1</b>	Solvent based penetrating epoxy primer and sealer	Economical primer for application of epoxy floor coating and wall coatings			72 hrs @ 25°C	6 to 10 m <sup>2</sup> /ltr

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT EPOXY PRIMER N</b>	A solventless epoxy resin based primer for dry substrates	Used as a primer for all grades of KUT EPOXYMORTARS for use on essentially dry surfaces	ASTM-C 881-87, - Type I & Type III, Grade 2, 3 Class B&C ASTM -C 883 & ASTM - C 884	Comp. 60 Flex. 40 Tensile 25	35 minutes	4.5 - 6.5 m <sup>2</sup> / 1 kg pack
<b>KUT EPOXY PRIMER W</b>	A solventless epoxy resin based primer for damp substrates	Used as a primer for all grades of KUT EPOXYMORTARS for use on damp concrete surfaces	ASTM-C 881-87, - Type I, Type III & Type IV, Grade 2, Class B&C, ASTM -C 883 & ASTM-C 884	Comp. 50 Flex. 40 Tensile 25	40 minutes	5.5 - 8 m <sup>2</sup> / 1 kg pack
<b>KUT EPOXY PRIMER C</b>	A solventless epoxy resin based primer for floors and coating products.	Used as a Primer for KUT FLOOR COATING GP, KUT FLOOR SL, KUT FLOOR HD and KUT EPOXYCOATING SWP	ASTM-C 881-87, - Type I & Type III, Grade 2, Class B&C ASTM -C 883 & ASTM - C 884	Comp. 50 Flex. 40 Tensile 25	35 minutes	5 - 8 m <sup>2</sup> / 1 kg pack
<b>KUT DURA PRIME CP-1</b>	Epoxy based primer for polyurethane flooring and coatings	Used as a primer for epoxy mortars, floor coatings mebranes and other Epoxy and PU based coatings. Acts as a sealer for PU based for floorings and membranes	ASTM C 881 Type I and Type III Grade 2 Class B & C ASTM C 883 ASTM C 884		35 minutes	5 - 8 m <sup>2</sup> /kg
<b>KUT DURAGUARD PRIMER</b>	Epoxy based primer for polyurethane flooring and coatings	Used as a primer for epoxy mortars, floor coatings mebranes and other Epoxy and PU based coatings. Acts as a sealer for PU based for floorings and membranes	ASTM C 881 Type I and Type III Grade 2 Class B & C ASTM C 883 ASTM C 884		35 minutes	5 - 8 m <sup>2</sup> /kg
<b>KUT BITU PRIME NO-1</b>	A Highly penetrative cold applied bitumen primer	Used as a primer for bitumen modified waterproofing membrane	ASTM D-41 BS 3416			4 - 6m <sup>2</sup> /Ltr.

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT RUSTCON 100</b>	Rust converter and anti rust protector for iron and steel surfaces	Used in construction, chemical and petrochemical industries, electricity and gas power stations, oil and gas offshore an onshore installations, marine, shipbuilding, civil engineering, pylons, cranes, bridges, architectural steel works and defence applications				8 m <sup>2</sup> /ltr in two coats.
<b>KUT FLEXIBOND</b>	A high solids acrylic latex for cementitious mortars and as primer for KUT SUPERCOAT NO.I and KUT SUPERCOAT NO.II	It is recommended as a high quality bond coat primer for sand cement renders, in internal or external application of thin and thick bed mortars	ASTM - C - 1042-Type-II, ANSI-A -118.4 ANSI-136.1 ANSI-118. 1	Cement: Sand: FLEXIBOND 1:2:0.2	2 hrs	As a bonding primer 5-8 sqm/ kg
<b>KUT AQUAPROOF MEMBRANE</b>	Two Components A brushable water proofing membrane consisting of dry powder, a liquid polymer and a special fibre mesh	Used as a waterproof lining for water retaining structures/ swimming pools	DIN 1048 Part-2 BS-1881 Part-5 1983-I.S.A.T.	Comp. 16 Tensile 39		25kg kit covers 6m2approx at 2.5 to 3mm thickness
<b>KUT AQUASHIELD</b>	Two Components A brush applied elastomeric water proofing membrane	Used on vertical as well as horizontal surfaces as a waterproof membrane, it allows expansion and contraction over a broad temperature range and maintains flexibility and waterproofing properties		Tensile strength 6N/mm <sup>2</sup> at -20°C		15 kg pack yields 8.5litres covers 8.5 m <sup>2</sup> in 1 mm thickness

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT REMEDEX BASIC</b>	Surface applied, cementitious, in depth crystal growth waterproofing treatment for concrete	Recommended to use as waterproofing product with high water proofing effect and provide additional protection where mechanical abrasion of the treated surface like concrete surface to be back filled, basements, retaining walls, underground car parks, foundations, storage tanks, basement retaining walls in hollow concrete block work or lightweight concrete block work, etc.				
<b>KUT REMEDEX PREMIUM</b>	Surface applied, cementitious, in-depth crystal growth waterproofing treatment for concrete	Recommended to use either the pressure or non pressure faces of concrete ,solving the problem of water seepage through porous or cracked concrete in both new and old structures, use on lifts pits, basement walls, concrete floor slabs, balconies, water storage tanks, swimming pools, sewerage treatment plants, canals and bridges etc.				
<b>KUT ROOFLEX</b>	Acrylic roof coating	Is primarily used for protection of roofs. It, is suitable for use on concrete, asbestos, wood, brick/ stone, tiles and textiles as a water proofing layer				0.6 to 0.9kg per sqm per coat

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT FLEXIGUARD</b>	High performance elastomeric & water proof protective coating for concrete	Designed to protect atmospherically exposed, reinforced concrete		5 N/mm <sup>2</sup>		0.6 to 0.9 kg/ m <sup>3</sup> /coat
<b>KUT EPOXY COATING EWB</b>	A water dispersed epoxy resin based, non toxic coating and sealer.	Used as a wall and floor coating for waterproofing, dust proofing, and providing a decorative finish for brick, concrete and masonry surfaces			3 hours @20°C	7-10 m <sup>2</sup> /kg per coat
<b>KUT EPOXY COATING SWP</b>	A solvent free epoxy resin based coating for water proofing in tanking situations such as swimming pools	It is primarily intended as a water proofing barrier in tanking situations such as swimming pools, water fountains, terrace gardens etc.	ASTM-C 881 - Type I & III, Grade 2, Class B&C. ASTM -C 882 DIN 1048 Part 2		45 minutes at 25°C	1.5 to 2m <sup>2</sup> per kg or 7.5 to 10 m <sup>2</sup> per pack of 5kg
<b>KUT EPOXY COATING UW</b>	An under water epoxy coating system	Used as a corrosion coating for concrete or metal in applications where surfaces are either underwater or damp or are wet and cannot be dried out			60 minutes at 25°C	1.5 - 2m <sup>2</sup> /kg per brush coat
<b>KUT EPOXY COATING SF1</b>	A solvent free epoxy coating	Used as an Internal coating for steel and concrete storage tanks. Suitable for sewage works, marine environments, basements and tunnels			30-40 minutes at 25°C	4 litre pack covers 10m <sup>2</sup> at 400 micron thickness

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT DURACOAT HTCR</b>	A Non toxic, solvent free, high build epoxy resin coating	Used as a hard wearing chemical and high temperature resistance floor and wall coating, provide protection to concrete and steel structure in aggressive conditions	ASTM D 579, ASTM D 638, ASTM D 2240, ASTM D 4060, ASTM C 580	>50N/mm <sup>2</sup>	120 mins @35°C	5.0 m <sup>2</sup> /ltr @ 200 microns wft/coat
<b>KUT TAR EPOXY COATING HS</b>	A high solid coal tar epoxy coating	Used for long term protection of steel and concrete substrates submerged in fresh or sea water or exposed to tidal or splash zones			4 hrs at 25°C	4.80 m <sup>2</sup> /ltr
<b>KUT DURACOAT SB 300 PU</b>	Solvent based aliphatic polyurethane sealer and coating	As a protective coating for mortar and concrete. It acts as a sealer protecting it from water, lime, salts etc.	ASTM-C 881 - Type I & III, Grade 2, Class B&C. ASTM -C 882 DIN 1048 Part 2		3 hrs at 25°C	3.6 m <sup>2</sup> /ltr
<b>KUT FLEXIGUARD PU</b>	Chemical and UV resistant protective coating	Used as protective coating to variety of surfaces exposed to aggressive enironments	ASTM D 412		75 min @25°C	7 - 10m <sup>2</sup> /ltr.
<b>KUT DURACOAT PU GP</b>	Flexible protective floor coating based on polyurethane resin					
<b>KUT DURACOAT EPU</b>	A flexible protective coating based on epoxy - polyurethane resin	Is used as hard wearing, chemical and abrasion resistance floor & wall coating. Provide protection to concrete & steel sturcstures in aggressive conditions	ASTM D 1475, ASTM D 2471, ASTM D 1640, ASTM D 4541, ASTM D 570, BS 2783 Part 3		180 mins @25°C	5m <sup>2</sup> /Ltr. @200 mic. WFT/coat

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT DURACOAT 1000 R</b>	Elastomeric polyurethane based membrane	Is used a chemical and abrasion resistance barrier for water proofing and corrosion protection	NSF 61 Certified			1m <sup>2</sup> /Ltr. @1mm thickness
<b>KUT DURACOAT 1000 -PG</b>	Elastomeric polyurethane based membrane	Is used a chemical and abrasion resistance barrier for water proofing and corrosion protection				1m <sup>2</sup> /Ltr. @1mm thickness
<b>KUT DURAGUARD S</b>	High performance aliphatic acrylate based protective and decorative coating for concrete and masonry	To protect atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, sulphates, oxygen and water. The product is also suitable to protect other cementitious substrates and masonry. It is suitable for use on all types of structures, especially those in aggressive marine and coastal environments. It is equally suitable for new and existing structures				0.175 litres/m <sup>2</sup> @ 175 micron wft/coat
<b>KUT DURAGUARD MEMBRANE</b>	A Tough elastic two component polyurethane membrane	Used as a elastomeric membrane in polyurethane coating system for car park				1 - 1.5m <sup>2</sup> /Ltr. @ 1 - 2 DFT
<b>KUT DURAGUARD CP-I</b>	A Polyurethane based protective Traffic deck coating systems	Is used as a protective wear resistance membrane for car parks, traffic ramps, plant rooms etc.				4 - 6m <sup>2</sup> /Ltr.
<b>KUT DURAGUARD CP-II</b>	A Polyurethane based protective Traffic deck coating systems for internal application	Is used as a protective wear resistance membrane for car parks, traffic ramps, plant rooms etc.			45 mins @20°C	4 - 6m <sup>2</sup> /Ltr.

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	STRENGTH N/m <sup>2</sup>	POT LIFE at 25°C	COVERAGE
<b>KUT DURAGUARD CP-III</b>	A Polyurethane based protective Traffic deck coating systems.	Is used as a uvistable protective wear resistance membrane for car parks, traffic ramps, plant rooms etc.,			30 mins @20°C	10 - 15m <sup>2</sup> /pack@ 1 - 2mm DFT



# EXPANSION JOINT SEALANTS

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	SHORE HARDNESS	POT LIFE at 25°C	COVERAGE
<b>KUT THIOSEAL 227</b>	Two components GUN and POURING grade polysulfide sealant	Used for Sealing joints subject to expansion and contraction resulting from temperature changes in buildings and civil engineering structures	BS 4254 BS 6920 US FS TTS 00227E Type II Class A ASTM C 920 Type M Class 25 grade P & NS	Shore A @ 25°C) : Gun Grade Grey 22+/-3 Gun Grade White/Off-white 20+/-3 Pouring Grade Grey 16+/-3	2 Hours @ 25°C	7.4 mts per can in 20 X 20 mm joint
<b>KUT THIOSEAL 920</b>	Two Component Gun And Pouring Grade Polysulfide Sealant	Used for Sealing joints subject to expansion and contraction resulting from temperature changes in buildings and civil engineering structure	BS 4254,BS 6980, US FS TTS 00227E Type II Class A, ASTM C 920 Type M, Class 25 grade P & NS	Shore A@25°C: Gun grade Grey 22± 3, Gun grade white -20 ± 3, Pouring Grade Grey 16± 3	2 Hours @ 25°C	7.4mts per can in 20 x 20mm joint
<b>KUT THIOSEAL 2000</b>	Heavy duty joint sealant	Used for Sealing joints in airfield runaways, parking aprons, bridges etc.		Shore A @ 25°C: 30- 35 @ 7 days	0.30 hrs @ 25°C	7.4 mts per can in 20 X 20 mm joint

PRODUCT	DESCRIPTION	APPLICATION	STANDARDS	SHORE HARDNESS	POT LIFE at 25°C	COVERAGE
<b>KUT DURATHANE 200</b>	Cold applied, high performance, polyurethane runway sealant	Used for sealing joints in concrete roads, concrete runways and hard standings. its excellent fuel resistance makes it particularly suitable for sealing areas where fuel and oil spillage might occur	U.S. Federal Specification SS-S-200E BS 5212: types N, F and FB.		2 hrs 30 minutes @ 25°C	7.4 mts per can in 20 X 20 mm joint
<b>KUT DURATHANE 920</b>	Multiple component high performance polyurethane sealant	Used for sealing joints in Concrete, Masonry, Marble, Granite & Brick Aluminum, Glass Stucco, Panel walls, Curtain walls Expansion wall joints, Precast units etc.	FS TT-S-0227E, Type II, Class A Corps of Engineers CRD-C-506 ASTM C 920, Type M, Grade NS, Class 25, use NT, G, A, M, and O	Shore A @ 25°C): Gun Grade 20 35 Pouring grade 20	2 hrs 30 minutes @ 25°C	7.4 mts per can in 20 X 20 mm joint
<b>KUT DURAMOULD PU</b>	A Polyurethane mastic for making moulds	Is used for preparing moulds in precast or concrete and architectural elements		40 ± 5	2 hrs @ 25°C	
<b>KUT EPOSIL 100</b>	A Polysulphide modified epoxy, flexible industrial floor joint sealant	Is epoxy based joint sealant for filling control and construction joints in industrial floors	BS 4254, ASTM D 412	> 80	2 hrs @ 25°C	

# MISCELLANEOUS

PRODUCT	DESCRIPTION	APPLICATION	POT LIFE at 25°C
<b>KUT ACID ETCH</b>	An acid based etching compound containing corrosion inhibitors	For the removal of the mortar and plaster runs, droppings stains from brickwork and concrete surfaces. Also for removal of hardened concrete from tools, machinery and equipment	
<b>KUT MOULD RELEASE SB</b>	A solvent based form release agent	Used on metal, wood, plastic, and fibre glass forms, also on pans and tubes for roof and column work. On concrete moulds, over laid plywood and fibre glass	
<b>KUT MOULD RELEASE WB</b>	Water based mould release agent	Used on metal wood plastic, and fiber glass forms also on pans and tube for roof and column work. On concrete moulds, overlaid plywood, and fiber glass	
<b>KUT BOND EP</b>	A solvent free epoxy resin based bonding agent	It is recommended for use as an economical epoxy bonder for old to new freshly laid concrete or screed	45 - 60 minutes at 20°C
<b>KUT GEL EP</b>	A multi purpose epoxy resin based gel	Used as a surface sealant for crack injection systems. It is also used as bonding agent for common construction materials	40 minutes at 25°C

PRODUCT	DESCRIPTION	APPLICATION	POT LIFE at 25°C
<b>KUT MULTIFIX EP</b>	Multi purpose epoxy adhesive	For permanent bonding of common construction materials including concrete ceramics, metals, asbestos, glass, timber, plastics, etc. it is suitable for the repair of damaged Items with a fine glue-line	45-60 minutes at 20°C
<b>KUT STUDFIX EP</b>	A three components epoxy adhesive for fixing of studs in roads and runways	Used in bonding reflector studs, rubber warning cones lane marking studs etc. to either black top asphalt or concrete roads, runways, motor ways etc.	45 to 60 minutes at 20°C
<b>KUT EPOXY STC</b>	Epoxy resin based stair tread compound	Is used as a treading compound on various stairs such as concrete marble, granite natural and synthetic stones	1 hour @25°C
<b>KUT SILICA SANDS</b>	Non - slip flooring aggregates	Chemically inert, graded, hard wearing aggregate for use with KUT FLOOR COATING GP & KUT FLOOR SL range to produce a medium coarse textured floor finish	
<b>KUT SILICA SAND NO-IV</b>	Non - slip flooring aggregates	Chemically inert, graded, hard wearing aggregate for use with KUT FLOOR COATING GP & KUT FLOOR SL range to produce a medium coarse textured floor finish	

PRODUCT	DESCRIPTION	APPLICATION	POT LIFE at 25°C
<b>KUT SILICA QUARTZ</b>	High quality pure quartz aggregates in various sieve gradation for epoxies and polyurethane products	Used for a variety of applications including filler for Epoxy, Polyurethanes, polyester systems and as non-slip aggregates for KUT epoxy coatings and floorings	
<b>KUT SOLVENT EP</b>	A high strength solvent for cleaning especially for epoxy systems	Used for Clean-up of epoxy equipment and tools before Hardening. Recommended as cleaning solvent for KUT range of Epoxy Grouts and repair materials	
<b>KUT SOLVENT PS</b>	A cleaning solvent for polysulfide system and diluent for polyurethane systems	Used for Clean-up of epoxy polysulfide sealant equipment and tools before hardening. Recommended as cleaning solvent for KUT range of polysulfide joint sealants	
<b>KUT SOLVENT PU 100</b>	Solvent for Polyurethane system	Clean-up of Polyurethane equipment and tools before Hardening. Recommended as cleaning solvent for KUT range of polyurethane coatings and flooring materials	
<b>KUT FIBREUP 6</b>	6 mm polypropylene fibres for concrete, shotcrete and mortars	Used for crack control in cementitious materials covering areas such as conventional shotcrete, screeds, rendering mortars etc.	
<b>KUT SCRIM</b>	Stichbonded polyester scrim		



Certificate No: 120206

The certificate applies to:

## Specialties Construction Chemicals Factory

Address: Industrial Area, Road - 2, Pabaiy Nagar, TN, P. O. Box: 25096, Coimbatore - 646 006, India

The scope of the certificate is limited to the following activities:

**ISO 9001:2008**

For the following activities:

Design & manufacture of construction chemicals, including admixtures for cement and concrete, grouts & injection repair and protection products, sealants, putties and coatings.

Product realization system, its control by inspection and the operation of ISO 9001:2008 requirements by the customer for meeting the requirements.

The certificate is valid from 12 August 2012 until 12 August 2015 and remains valid subject to satisfactory surveillance audits. The certificate audit date ending 26 June 2015. Issue 1, Certified since 12 August 2012

Signature of:



This is a limited liability company, Specialties Chemicals India Pvt. Ltd., Registered Office: 100, Pabaiy Nagar, Coimbatore - 646 006, India. Tel: +91 944 201 10010, Fax: +91 944 201 10011, Email: info@specialtieschemicals.com

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