

منتج قطري
QATARI
PRODUCT



منتج وطني
قطري



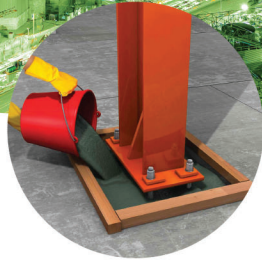
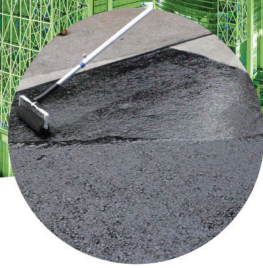
National Product













MADE IN QATAR

PolyRon

Built to last

Qatar's 1st UNGC (United Nations Global Compact) compliant manufacturing company.



-  **CONCRETE ADMIXTURES**
-  **WATERPROOFING AND DAMPPROOF COATINGS**
-  **BITUMINOUS COATINGS AND PRIMERS**
-  **SURFACE TREATMENTS AND RELEASING AGENTS**
-  **FLOORINGS, TOPPING AND COATINGS**
-  **ADHESIVES AND BONDING AGENTS**
-  **PROTECTIVE COATINGS & SEALERS**
-  **CONSTRUCTION GROUTS & ANCHORS**
-  **TILE GLUES, BLOCK FIXING AGENTS & GROUTS**
-  **CONCRETE REPAIR MATERIALS**
-  **JOINT SEALANTS & MOULDING COMPOUNDS**
-  **XPS THERMAL INSULATION BOARD**



HP INDUSTRIES W.L.L.

CONSTRUCTION CHEMICALS & THERMAL INSULATION COMPANY
 MANUFACTURER OF PolyRon CONSTRUCTION CHEMICALS
WWW.HPIQATAR.COM

ABOUT US

HP Industries (HPI) is an avant garde construction chemical and xps manufacturing organisation located in the State of Qatar. Qatar's first company to be a part of the prestigious United Nations Global Compact (UNGC) was awarded to HP Industries for its initiative on 100% global sustainability. A greener future for the country is envisioned to enhance local sustainability. The know-how and experience of the global community of manufacturing experts form the core of our success. Combining the right elements from our product portfolio, all aspects of a project can be catered to. Building on the experience gained from countless construction projects worldwide, HPI can provide various technical and economic solutions for any infrastructures. HPI manufacturing facilities are certified with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 integrated management systems.

PolyRon

PolyRon is one of HPI's popular brands in manufacturing a full range of construction chemical products. It brings together expertise to create chemical solutions for new developments, maintenance, repair and renovation of old structures. Guaranteeing client success by prizing on international technologies, as well as in-depth knowledge of local building needs. PolyRon by HPI stands out as a one stop solution for all construction needs. We believe in "built to last" rather than "built to sell".

OUR PRODUCT PORTFOLIO



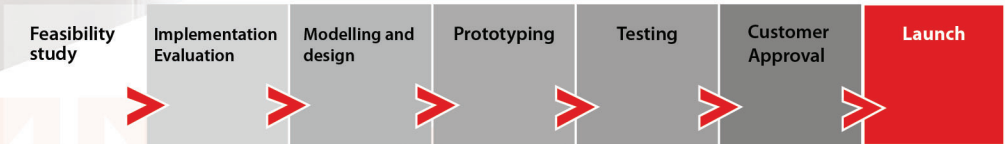
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-  WATERPROOFING AND DAMP PROOF COATINGS
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OUR R&D AND QUALITY POLICY

Research & Development

The R&D teams are devoted to producing the most innovative products, solutions and advanced manufacturing processes. HPI's modern equipment and laboratories are responsible for technical development of concrete additives, special mortars, tile adhesives, grouts, sealants, protective coatings, waterproofing coatings and more. The scientific team, comprising of chemists and engineers, who develop a number of innovative products while continuously improving the existing product lines to keep up with the consistent upgrading of technology. Client success is assured due to the consistent research and development conducted at our 1000sqm facility.

Our R&D process involves :



Quality Control

A stringent quality control team is on premise to ensure the products are continuous, detailed and meticulous in order to guarantee a high and stable quality product. The products are tested on ease of application, durability, aesthetics and cost efficiency of production. HPI has established a quality system for the design, development, production and distribution of its products following the requirements of ISO 9001. Each product line must comply by the regulations of the policy prior to release to the customer.

HOW DO WE DIFFER

HPI is a one stop solution for all concrete needs from start to finish. The core of HPI comprises of experts and scientists of the construction industry. Prizing on housing global technologies and in-depth knowledge of local building requirements has brought to development and innovative solutions to set up our clients for success. Continuous improvement to the environmental impact, health, safety, security knowledge and performance of technologies enables HPI to build better processes and products to reduce distress to people and the environment. We are certified and approved by UNGC (United Nations Global Compact). HPI has the experience of working with a variety of elements forming a product portfolio of any contractors' dreams. A unique and state of the art manufacturing facility based in the State of Qatar.

CONCRETE ADMIXTURES

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION /COVERAGE/YIELD
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ACCELERATOR

PolyRon A	Accelerating admixture for GRC and normal concrete.	ASTM C 494 Type C & E	0.5-1.8 litre/100 kg cement
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WATER REDUCING AND RETARDING ADMIXTURE

PolyRon PC 200	Low range water reducing and workability retention admixture for ready mix.	ASTM C 494 Type B, D & G	1-1.5 litre/100 kg cement
PolyRon PC 300	Mid range polycarboxylic based water reducing and workability retention admixture for ready mix.	ASTM C 494 Type B, D & G	0.5-1.5 litre/100kg cement
PolyRon PC 400	High range polycarboxylic based water reducing and workability retention admixture for low water cement ratio concrete/ready mix.	ASTM C 494 Type B, D & G	0.3-1 litre/100kg cement
PolyRon SN 500	SNF based high range superplasticizer and retarding admixture.	ASTM C 494 Type B,D & G	0.5-2 litre/100 kg cement

SUPER/HYPER PLASTICIZERS

PolyRon PCP 700	New range hyper plasticizing self compacting admixture for high strength concrete and precast type.	ASTM C 494 Type F	0.3-1 litre/100kg cement
PolyRon PCP 500	New range hyper plasticizing admixture for precast.	ASTM C 494 Type F	0.5-1.5 litre/100 kg cement
PolyRon SN 100	SNF based superplasticizer for high early strength concrete for precast industries and cast in-situ concrete.	ASTM C 494 Type F	1-2 litre/100 kg cement

BLOCK ADMIXTURES

PolyRon BL	Polycarboxylic based high strength hyper plasticizing admixture for block industries.	ASTM C 494 Type A & F	0.3-1 litre/100 kg cement
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INTEGRAL WATERPROOFING

PolyRon IWP	Integral waterproofing admixture for concrete and mortar.		1.5-2 litre/100kg cement
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CORROSION INHIBITORS

PolyRon CI	Chloride free ready to use aqueous solution of corrosion inhibitor additive/admixture for concrete.	ASTM C 494 TYPE C	Minimum 10 litre/m ³
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AIR ENTRAINING AGENTS

PolyRon AEA	Air entraining admixture. Used in mass concreting and to resist freeze thaw effect.	ASTM C260	0.05-0.2 litre/100 kg cement
PolyRon LWC	Foaming agent for light weight concrete.	ASTMC 796	Refer TDS

WATERPROOFING AND DAMP PROOF COATING

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
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POLYMER MODIFIED CEMENTITIOUS

PolyRon CEMPROOF	Two component polymer modified cementitious waterproofing coating for horizontal and vertical application for all water retention application on various substrates.	DIN 1048	1.7 kg/m ² @1mm thick coat in two coats
PolyRon CEMPROOF CW	Crystalline waterproofing slurry for concrete substrates. It is very economic, easy to apply and becomes part of the concrete creating a waterproofing layer inside the concrete itself. It is especially strong against negative side water pressure.		1.7-1.8 kg/m ² @1mm thickness in two coats
PolyRon CEMPROOF XP	High performance drinking water certified polymer modified cementitious waterproofing coating for all water retention application on various substrates.	BS 6920, ASTM C 836	1.5 kg/m ² @1mm thick coat in two coats
PolyRon PLUG FS	Cementitious plugging material to arrest running water.		10 kg bag yield 5-6 litre

ACRYLIC

PolyRon PROOF COAT	Modified styrene acrylic based elastomeric waterproofing membrane.		0.4 m ² /litre@1mm thickness
PolyRon PROOF GUARD	Thixotropic high build styrene acrylic based high performance waterproofing coating with superior resistance to ultraviolet rays.		0.55 m ² /litre@1mm thickness

POLYURETHANE

PolyRon ISOPROOF 600	One component elastomeric polyurethane waterproofing coating conforming to ASTM C 836.Used for wet area applications balconies and in roofs.	ASTM C 836	0.85 m ² /litre@1mm thickness
PolyRon ISOPROOF 300	Economical one component polyurethane waterproofing coating for wet areas.	ASTM C 836	0.8 m ² /litre@1mm thickness
PolyRon ISOPROOF 2K	Two component highly elastomeric waterproofing polyurethane coating for wet area applications.	ASTM C 836	1 litre/m ² @1mm thickness
PolyRon ISOPROOF CTP	Tar extended single component elastomeric polyurethane waterproofing coating.	ASTM C 836	1.2 litre/m ² @1mm thickness
PolyRon DISPURTHANE PUD 100	Liquid-applied, highly permanent elastic, cold applied and cold curing, water based, one component polyurethane based membrane used for long lasting waterproofing.		0.6-0.8 kg/m ² @500 micron thickness
PolyRon DISPURTHANE PUD 50	Water based, aliphatic Polyurethane hybrid coating for waterproofing and protection.	ASTM D412	2-2.2 kg/m ² @1000 micron DFT
PolyRon DISPURTHANE PUB	Polyurethane based and bitumen modified,water based single component, ready to use liquid waterproofing material.		0.6-0.8 kg/m ² @500 micron thickness
PolyRon ISOPHATIC	Single component, liquid applied, elastomeric, aliphatic polyurethane based waterproofing coating.		0.5 m ² /litre@300 micron thickness
PolyRon TANK GUARD PU	Two component aromatic 100% solids polyurethane elastomer, which forms a tuff flexible and impermeable coating offering superior chemical resistance, crack bridgeability, strength and waterproofing capabilities in demanding applications.	BS 6920	1 m ² /litre@1mm thickness

BITUMINOUS COATINGS AND PRIMERS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION /COVERAGE/YIELD
BITUMEN			
PolyRon BITPRIME SB	Solvent based bitumen primer. Used as a primer for torch applied waterproofing membranes.		4-5 m ² /litre depending on the porosity of the concrete
PolyRon BITPRIME 41	Solvent based bitumen primer. Used as a primer for torch applied waterproofing membranes.	ASTM D 41	4-6 m ² /litre depending on the porosity of the concrete
PolyRon BITPRIME WB	Water based emulsified bituminous protective coating for horizontal and vertical applications on concrete, mortar, cement block masonry and non-rusting metallic surfaces.	ASTM D 1227 Type III Class1	4-5 m ² /litre depending on the porosity of the concrete
PolyRon BITSHIELD RBE 10	Rubberised high build bitumen emulsion with minimum rubber content of 10%, for use as a protective coating in vertical and horizontal applications.	ASTM C 309, ASTM D 1227 Type III Class1	4-5 m ² /litre
PolyRon BITSHIELD RBE 5	Rubberised bitumen emulsion for use as protective coating for horizontal and vertical applications with a rubber content of 5%.	ASTM C 309 ASTM D 1227 Type III Class1	3-4 m ² /litre
PolyRon BITSHIELD FB	Single component asbestos free fibrous bituminous coating.	ASTM D 1227 Type II Class1	3-4 m ² /litre
PolyRon PROOFGUARD 1000	Polymer modified bituminous coating for demanding applications.	ASTM D 1227 Type II Class1 ASTM C 309	5 m ² /litre
PolyRon BITSEAL SB	General purpose bituminous protective coating.	BS 3416 Type 1 Class C	4-5 m ² /litre depending on surface profile

SURFACE TREATMENTS & RELEASING AGENTS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
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FORM RELEASE AGENTS

PolyRron FORMLEASE	Solvent based mould and shutter releasing agent to provide quick, clean and easy stripping of steel moulds and formwork ensuring high quality smooth surfaced concrete.		10-50 m ² /litre
PolyRron HYDROLEASE	Waterbased mould and shutter releasing agent to produce high quality smooth surface concrete.		14-40 m ² /litre

CONCRETE CURING AGENTS

PolyRron CURE AC	General purpose acrylic based concrete curing agent.	ASTM C 309	6-7 m ² /litre
PolyRron CURE 1315	Acrylic based concrete curing agent with high solid and high water retention capabilities. Recommended for new and granolithic paving and other structural concrete members. Fast drying and particularly suitable at high windy areas.	ASTM C 1315 TYPE 1 CLASS A, ASTM C 309 TYPE 1 CLASS A&B	7-8 m ² /litre
PolyRron CURE SOL	Resin based curing agent for curing of concrete in exposed structures slip form, walls, canals & mass concrete faces.	ASTM C 309 TYPE 2 CLASS B	4-6 m ² /litre

SURFACE RETARDERS

PolyRron CEMENTARD	Concrete surface retarder for producing exposed aggregate concrete finish in face-down precast. Good mechanical bonding between delayed concrete pours. Obviate surface hacking of concrete before plastering.		2.5-5 m ² /litre
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ACID ETCHING

PolyRron ETCHIT	Concrete cleaning and etching agent.		2-3 m ² /litre
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WATER REPELLENT

PolyRron HYDROSIL	Silane based water repellent for masonry, bricks and concrete surfaces.		5 m ² /litre/coat
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FLOORINGS, TOPPING & COATINGS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION /COVERAGE/YIELD
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CEMENTITIOUS

PolyRron CEMENTLAY SL	Cementitious self levelling floor topping 3-12mm thickness. Suitable as an underlayer & levelling coarse for vinyl sheets, tiles, wooden flooring in hospitals, packing & storage areas, showrooms, automotive assembly areas, auxiliary areas, walkways & pavement.	EN 13813, CT (polymer modified)	1.8-2 kg/m ² @1mm thickness
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PolyRon CEMLEVEL HT	Polymer modified self-smoothing flooring compound for thicknesses from 5 to 30 mm. Used as a levelling compound to smoothen out undulations.	EN 13813, CT (polymer modified)	1.8-2 kg/m ² @1mm thickness
PolyRon CEMSCREED 200	Pre-bagged trowel applied cementitious screed for use as a levelling mortar and heavy duty base underlayment for thickness ranging from 10-40 mm.	EN 13813, CT	2 kg/m ² @1mm thickness
PolyRon COLOUR HARD	Coloured dry shake hardner for aesthetically presentable stamp concrete application with superior strength and processability.	EN 13813, CT	3-5 kg/m ²
PolyRon COLOUR LEASE	Powdered release agent for stamped concrete. Prevents stamping mould from sticking to concrete surfaces.		5-7 m ² per kg
PolyRon CEMHARD	Dry shake floor hardener for new concrete floors. Provides a highly abrasion resistant surface to fresh concrete floors which ensures that the hard wearing surface bonds monolithically to the base concrete.	EN 13813, CT	3-5 kg/m ²
PolyRon CEMHARD EMERY	Dry shake floor hardener based on emery designed for application to freshly cast horizontal concrete to harden and densify the surface. Applications include: industrial plants, foundries, automotive assembly plants, loading docks, smelters, warehouses, service garages, processing plants, generating stations, sewage and water treatment plants, resource recovery plants, paper mills etc.	EN 13813, CT	Light traffic 3 kg/m ² , medium traffic 5kg/m ² , heavy traffic 7kg/m ²

LIQUID FLOOR HARDENERS

PolyRon MSH	Magnesium fluorosilicate based floor hardener for strengthening and densifying concrete floors. Useful in increasing abrasion resistance of old & new concrete floors. Also reduces dust generation. Can be applied on exposed concrete in godowns, warehouses, engineering units etc.	EN 1504-9	5-10 m ² /litre depending on concrete porosity
PolyRon SSH	Sodium silicate based liquid hardener for strengthening and densifying concrete floors. Also reduces dust generation. Can be applied on exposed concrete in godowns, warehouses, engineering units etc.	EN 1504-9	4-10 m ² /litre depending on concrete porosity

EPOXY AND HYBRIDS

PolyRon EPOPRIME	Solvent free transparent two-pack epoxy primer exhibiting excellent penetration properties to ensure good adhesion for subsequent top coats.		5 m ² /litre @ 200 micron thickness
PolyRon EPOPRIME LS	Two component solvented epoxy primer exhibiting excellent penetration properties to ensure good adhesion for subsequent top coats.		7-8 m ² /litre @ 100 micron thickness
PolyRon EPOCOAT 100	Solvent free epoxy resin based heavy-duty floor coating. Used on industrial and commercial floors as chemical and abrasion resistant floor coating.	BS 6920	2.5 m ² /litre @ 300 micron thickness
PolyRon EPOCOAT HB	High build heavy duty epoxy coating which forms smooth, semi-gloss, tough finish that has outstanding resistance to abrasion, chemicals, impact and spillage of solvent, fuel, diesel, oil, diluted acid and alkaline solutions. The product adheres perfectly to a variety of supports like concrete metal, wood, stoneware etc.		2.5 m ² /litre @ 400 micron thickness
PolyRon EPOCOAT LS	Hard wearing, solvent based, economical epoxy resin coating, designed to provide a hard, abrasion and chemical resistant semi-gloss coating to concrete floors, walls, ceiling, steel and other substrates. The product should be applied in thin coats.		7 - 8 m ² /litre @ 100 micron DFT thickness
PolyRon NOVOCOAT EP	Chemical resistant epoxy novolac coating with high chemical and temperature resistance for those demanding applications, especially for chemical storage tanks, chemical stores and etc.		2.8 m ² /kg @ 300 micron thickness
PolyRon EPOCOAT WB	High performance hygienic two-component waterbased epoxy coating for floors and walls. Primarily designed for use in walls and floors in food processing, kitchens, warehouses, garages etc.		1.2-1.7 kg/m ² @ 100 micron WPT

PolyRron EPOCOAT GP	High solid general purpose epoxy coating which forms smooth, semi-gloss, tough finish with outstanding properties for general application.		3-3.3 m ² /litre @ 300 micron thickness
PolyRron EPOTHANE SL	Two component epoxy pu hybrid, self leveling with superior gloss recommended as top coat for epoxy floor coatings. It has excellent flexibility & adhesion and wear resistance.		1 m ² /litre @1mm thickness
PolyRron EPOFLOOR 4000 SL	Three component epoxy based self leveling 3-5mm thick floor topping. Provides a seamless hard wearing, chemical resistance floor topping. Suitable for the chemical and manufacturing industry.	EN 13813, SR	4 m ² /25 kg kit@4mm thickness
PolyRron EPOFLOOR 1000 SL	Epoxy based self smoothing and leveling floor topping. Provides a hard wearing, chemical resistant, impervious and easy to clean seamless floor topping upto 1.5 mm.	EN 13813, SR	12-13 m ² /20 kg@1 mm thickness
PolyRron EPOFLOOR SL5	Two component epoxy self leveling/scratch coat for levelling the undulations and make a pavement layer for subsequent floor toppings.		1.6-1.8 kg/m ² @1mm thickness
PolyRron EPOCLEAR SL	Two component Premium Clear Coating with high-gloss protective finish to coated or bare concrete surfaces. Exhibits excellent wear, impact and abrasion resistance.		1 m ² /litre@1mm thickness
PolyRron EPOLEVEL HD	Three component self smoothing epoxy resin based floor screed for chemical resistant, heavy-duty production area or warehouse. Withstands dynamic and static heavy loads.	EN 13813, SR	4 m ² /25 kg kit@4mm thickness
PolyRron EPOKREED HD	Epoxy resin based heavy duty floor screed & resurfacing material.	EN 13813, SR	4.5-5 kg/m ² @2mm thickness
PolyRron EPOKREED WB	Water miscible epoxy screed system, based on new generation epoxy resin technology, supplied in pre-weighed packs ready for on-site mixing and use. The cured screed forms a hard, matt and water vapour permeable seal to concrete.	EN 13813, SR	3.5-4 kg/m ² @2mm thickness
PolyRron EPOTERAZZ	Epoxy resin based terrazzo flooring system for decorative floor finish. Provides heavy duty seamless floor with excellent aesthetic finish.	EN 13813, SR	11.5 kg/m ² [depending on the aggregate types]

POLYURETHANE

PolyRron TUFFSHIELD PU	Two component, abrasion resistant aromatic polyurethane coatings. Possess high tensile strength and excellent balance of elongation and abrasion resistance. Can be used in car parks, warehouses, factory floors etc.		5 m ² /litre@200 micron thickness
PolyRron FLEXKOTE PU	Two component flexible roller applied polyurethane protective coating. Can be used as an intermediate layer in car parks, terrazzo flooring systems etc.		1 m ² /litre@1000 micron thickness
PolyRron PRIMER PU	Universal highly penetrative single component polyurethane primer for concrete, wood and steel surfaces.		6-8 m ² /litre
PolyRron UREMORT HD	Medium duty polyurethane mortar for thickness from 4-6 mm. It is designed for applications on floor in food and other allied industries.	EN 13813, SR	2 m ² /27 kg kit@6mm thickness
PolyRron URECREATE HD	Water based heavy duty polyurethane floor screed with a smooth, finish that is available in all standard colours. It is ideal for application in clinical work areas where a hygienic and easy to clean floor is required. It can be laid from 6 mm to 9 mm.	EN 13813, SR	12 kg/m ² @6mm thickness
PolyRron UNIFLEX PU-70	Two component polyurethane based, solvent free, elastic self levelling sport flooring for thickness of 1-3 mm.		2.4-2.8 kg/m ² @2mm thickness
PolyRron URECHEM SL	Three component polyurethane self leveling flooring system. Used in the corridors, hospitals, production areas, showrooms, laboratories etc.	EN 13813, SR	3 kg/m ² @2mm thickness

ADHESIVES AND BONDING AGENTS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
EPOXY			
PolyRon EPOWELD	High strength, two component, epoxy bonding and adhesive for dissimilar substrate. Designed to use as epoxy putty to fill gaps, fix bolts into walls and dowel bars anchoring etc.	ASTM C881: Type 1	1.7 kg/m ³ @ 1mm thickness.
PolyRon TRAFFIX	Fast setting Epoxy adhesive for cat eyes and studding. Used to bond asphalt, steel ceramic and wood material.	ASTM C881: Type 1, AASHTO M237-96	Available in 1 kg packs 1.5-1.7 kg/m ² @ 4mm thickness
PolyRon BONDIT EP	Two component Epoxy resin based solvent free concrete bonding agent. Used to bond new to old concrete and cementitious topping to existing concrete, steel and ceramic. Suitable for both horizontal & vertical application. Ideal for extensions and repairs to structural concrete in buildings, loading bays, bridges, roads, bonded or granolithic floor toppings etc. acts as a CI barrier in repair mortars.	ASTM C881: Type II Grade 2 Class C	3.5 - 5 m ² /litre @ 200 - 300 micron thickness

LATEX / ACRYLIC BASE

PolyRon BONDIT AC	High solid, acrylic polymer latex admixture and bonding agent. When used as an admixture, it provides increased abrasion, impact and crack resistance, flexural strength and freeze/thaw tolerance. It is also used as a bond coat/slurry for enhancing the bond between fresh cement based concrete topping or repair mortar.	ASTM C1059 Type1&2	6-7 m ² /litre
PolyRon ACROFIX	Single component multipurpose acrylic based contact adhesive for carpet, wood, vinyl sheet and other substrates.		1.4-1.6 kg/m ² @ 1mm thickness.
PolyRon BONDIT SBR	It is a white styrene butadiene emulsion used to improve the properties of cement renders, screeds and mortars. It is also used in conjunction with Construction Chemicals Tanking Slurry as a priming coat or tight render basecoat. Used with Sulphate resistant cement it will resist the movement of salts within wall. When used in concrete repair the addition of SBR Bonding Agent greatly enhances the resistance of the concrete to carbonation and protects steel from corrosion.	ASTM C1059 Type1&2	Dosage @ 15-20% by weight of cement as additive to repair mortar. 23% by weight for slurry coat
PolyRon BONDIT PVA	This is a multi-purpose bonding agent, primer, sealer, cement and plaster admixture that adheres to most common building and DIY materials. Ideal for priming unsound surfaces prior to plastering or painting, as an adhesive on wood, cork, textiles and most applications where at least one surface is porous, for general dust sealing on flaking paintwork/walls etc and as a cement and plaster admixture.	ASTM C1059 Type 1	6-7 m ² /litre

POLYURETHANE

PolyRon ISOBOND	Two component polyurethane adhesives for rubber, sports floor, metals, vinyl sheet and floorings.		1.9-2 kg/m ² @ 1mm thickness
PolyRon ISOBIND RB	PU based rubber crump and EPDM binder for sports floor.		refer tds
PolyRon ISOSEAL RB	PU based thixotropic sealer for filling, binding and sealing pores of rubber/sports flooring.		1.2-1.5 kg/m ²

PROTECTIVE COATINGS & SEALERS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
PolyARon DURASHIELD CTP	Two-part high solid coal tar epoxy protective coating for concrete and steel. Provides protection to concrete and metal structures against corrosion from aggressive environments. Suitable for tanks above ground or totally submerged condition. Suitable for sewage treatment plants and buried structures exposed to sulphates attack.	BS EN 1504-2	4-5 m ² /litre@200 micron thickness
PolyARon DURASHIELD EPU	High build, flexible, solvent free, epoxy polyurethane coating. Excellent resistant chemical, abrasion and underground environment. Ideal to use in aeration tanks, clarifiers, manholes, etc.	BS EN 1504-2	2.5 m ² /litre@400 micron thickness
PolyARon DURASHIELD EPS	Highly chemical resistant tough flexible epoxy polysulphide coating. Typical applications are storage tanks in chemical industries and walls in food processing industries for tanks.	BS EN 1504-2	5 m ² /litre@200 micron thickness
PolyARon DURATHANE UV	High gloss chemical, weather and UV resistant aliphatic polyurethane topcoat.	BS EN 1504-2	6-7 m ² /litre@100 micron thickness
PolyARon DURASHIELD AC	High build Water based pure acrylic anti- carbonation, protective and decorative coating for concrete and masonry for severely exposed atmosphere. Protective coating for all types of concrete structures exposed to severe environmental conditions including exposure to atmospheric aggression, such as saline environments, Chloride ions, sulphates, carbonation etc. Suitable for structures subjected to cyclic loads. The product is UV resistant and breathable barrier coating with crack bridging properties.	BS EN 1504-2	0.6-0.7 litre/m ² @400 micron DFT (600 - 700 micron WFT)
PolyARon DURASEAL PU	Non yellowing aliphatic acrylic polyurethane masonry transparent sealer. Designed to protect masonry walls, stones, stampconcrete, pavement blocks etc.		10 m ² /litre@75micron thickness
PolyARon DURAGUARD TPA	Aliphatic acrylate, solvent based anti-carbonation, UV resistant protective cum decorative coating for concrete and masonry. Used to protect any RC and masonry structures exposed to the atmosphere. It is suitable for use in all types of structures like bridges, fly overs, industrial and commercial etc. exposed to aggressive environments.	BS EN 1504-2	0.35 litre/m ² @350 micron WFT (175 micron DFT)
PolyARon DURAPRIME SS	Silane siloxane primer for anticarbonation coating.	BS EN 1504-2	6-7 m ² /litre
PolyARon EPOPRIME WB	Water dispersed low viscosity penetrative epoxy based primer.		7-8 m ² /litre
PolyARon DURASEAL TPA	Aliphatic acrylate sealer with high penetration and excellent resistance to chloride attack, moisture and weather. Used as sealer coat for stamp concrete and other decorative elements.	BS EN 1504-2	7 m ² /litre
PolyARon DURASEAL EP	Epoxy system designed to penetrate concrete surface resulting in improved wear resistance. Provide improved durability of dusting concrete. Primary applications are on parking decks, bridge decks and industrial floors.	BS EN 1504-2	7 m ² /litre@100 micron thickness
PolyARon HYDROTHANE	High performance urethane hybrid coating - Durable, unsurpassed mar/scratch & chemical resistance . Can also be used as a sealer for terazzo, tiles, roofs etc.		6-7 m ² /litre

CONSTRUCTION GROUTS & ANCHORS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
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CEMENTITIOUS

PolyRon GROUT NS	High strength free flowing non shrink grout for general purpose construction applications. Typical application would be the grouting of steel columns, bearing plates, precast concrete and anchors.	ASTM C1107	25 kg bag yield 12 litre of grout
PolyRon GROUT HF	High performance nonshrink grout with very high flow . It can be used in difficult to reach areas because of its high flow and unique properties. Application thickness 10mm - 100mm.	ASTM C1107	25 kg bag yield 12.5 litre of grout
PolyRon PILEGROUT	High strength, non shrink cementitious construction grout for bedding, grouting and void filling operations including pile cap reprofiling and encapsulation. Application thickness 10mm-100mm.	ASTM C1107	25 kg bag yield 12.5 litre of grout
PolyRon GROUT PCG	Pre-bagged, non-shrink cementitious grout for post tensioned cables. It can be used in a wide range of applications: Post tensioned bridge deck ducts, Pre-stressed structural element cables ducts, Slip form silo tendon ducts.	EN 447	25 kg bag yield 17 litre of grout
PolyRon GROUT UW	High strength underwater cementitious grout with anti-washout & non shrink properties. Application thickness 20mm - 140mm.	ASTM C1107	25 kg bag yield 14 litre of grout
PolyRon GROUT BB-80	One-component, ready to mix, free flowing, non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism with very high strength particularly using for bridge bearing and heavy structural applications.	ASTM C1107	25 kg bag yield 12.5 litre of grout
PolyRon NS ADDITIVE	Additive which when mixed with cement can produce a high flow material with reduced water/cement ratio and positive expansion. Applications include bed grouting, duct grouting, non-shrink infilling and jointing.	ASTM C939	1%-2% by weight of cement

EPOXY

PolyRon EPOGROUT GP	Chemical resistant three component epoxy resin based high strength grout for medium build up. Ideal for grouting heavy machinery base plates, anchors, turbine base, rails etc. Application thickness 10mm-150mm.	ASTM C 884, ASTM C 307 Type I Grade II Class A.	25 kg bag yield 12.5 litre of grout
PolyRon EPOGROUT HB	Three component, high strength, low exotherm and free flowing epoxy resin grout. It is suitable for grouting large gaps up to 400 mm at high ambient temperatures of up to 55°C.	ASTM C 884, ASTM C 307 Type I Grade II Class A.	25 kg bag yield 12.5 litre of grout
PolyRon DOWELL GROUT	Two component epoxy resin grout for fixing dowels and bars. It is specially formulated to provide a permanent installation of reinforcement bars and rods into substrate.	EN 1504-6	Available in 1 litre pack

POLYESTER

PolyRon ANCHOR GROUT	Polyester resin based anchoring grout with fast setting properties. It rapidly achieves load bearing and bond strength with very high compression and flexural properties.	EN 1504-6	2.5 litre/pack
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TILE GLUES, BLOCK FIXING AGENTS & TILE GROUTS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
CEMENTITIOUS			
PolyRon TILEBOND	General purpose, economical, thick or thin, cement adhesive. It is ideal for fixing ceramic, quarry and most common tiles.	ANSI A118.1, BS EN 12004, ISO 13007-1	refer tds
PolyRon POOLBOND	Specially designed adhesive formulated for fixing ceramic and mosaic wall and floor tiles in showers, bathrooms, kitchens, and toilets. It may be used on concrete and plaster substrates, especially for swimming pools or wet areas.	ANSI A 118.1, BS EN 12004 C2, ISO 13007-1	refer tds
PolyRon M BOND	Polymer modified thixotropic cementitious tile adhesive for fixing all types of tiles and natural stones especially marble on walls and floors.	ANSI A 118.4, BS EN 12004 C2, ISO 13007-1	refer tds
PolyRon TILEBOND 2K	Two component cement based, polymer modified, water resistant tile adhesive for horizontal and vertical applications. It is used in for swimming pools and other demanding applications.	ANSI A 118.4, BS EN 12004 C2TE	refer tds
PolyRon TILE GROUT	General cementitious tile grout and stone pointing mortar for joints up to 8mm.	BS EN 13888:2009, EN 12808, ISO 13007 CG1	refer tds
PolyRon TILE GROUT XP	High performance cementitious tile grout for swimming pool and other submerged application with water resistance and anti fungal properties.	BS EN 13888:2009, EN 12808, ANSI118.7 ISO 13007 CG2W	refer tds
PolyRon BLOCKFIX	Versatile thin jointing material for laying AAC blocks, fly ash bricks, concrete blocks etc. The product is specially designed to provide higher bonding as a result of higher tensile adhesion strength.	ASTM C270 TYPE N	5 m ² /20 kg bag @ 3 mm thickness
EPOXY			
PolyRon EPOFIX	Three component epoxy based chemical resistant tile adhesive for fixing ceramic, marble, stone and porcelain tiles on cementitious or metal substrates.	ISO 13007 R2T, EN 12004:2007	20 kg kit yields 10-11 litre
PolyRon EPOFILL TG	Two component epoxy based chemical resistant tile grout for vertical and horizontal applications to fill gaps between tiles. It is suitable for ceramic, porcelain, stone and marble tiles.	ISO 13007-1, BS EN13888 ClassRG	3 kg kit yields 1.8-2 litre
PolyRon EPOFIX 2C	Two component epoxy based chemical resistant tile adhesive for fixing ceramic, marble, stone and porcelain tiles on cementitious or metal substrates.	ISO 13007 R2T, EN 12004:2007	10 kg kit yields 5.5 - 6 litre

CONCRETE REPAIR MATERIALS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
CEMENTITIOUS			
PolyRon REPCRETE MICRO	Free-flowing microconcrete with high early strength & long term durability. Self compacting ready to use concrete for early initial strength. Excellent for use in jacketing of R.C.C. Members and concreting of members where it is difficult to reach.		25 kg bag yield 12.5 litre of grout
PolyRon REPMORT FR	Shrinkage compensated fibre reinforced vertical and overhead cementitious repair mortar. Can use to repair concrete facades, spalling, honeycombing and restructuring balconies, terraces, walls, cornices with 4-75 mm thickness.		25 kg bag yields 13 - 14 litre
PolyRon REPMORT HS	A single component, rapid turn around, super high strength fiber reinforced structural repair mortar engineered for repairs to new construction.	ASTM C109,BS6319 ASTM C157, DIN 1048, BS EN 1504-R4	25 kg bag yields 13 - 14 litre
PolyRon REPFILL 2K	Two component cementitious crack filler for filling cracks in plasters and concrete.	BS EN 1504-3 R2	25 kg bag yields 13 - 14 litre
PolyRon REPCRETE FC	Fairing coat for filling minor blow holes and defects and for repairing surface imperfections. It can be used to level both vertical and horizontal concrete surfaces and to reinstate cover while providing a fair faced anti-carbonation finish with enhanced freeze thaw resistance.	BS EN 1504-3R1	20 kg bag yields 17 - 18 litre
PolyRon REPFILL	Single component polymer modified cementitious filling material effective for filling cracks in plasters and in concrete.	BS EN 1504-3R2	20 kg bag yields 13 - 14 litre
PolyRon REPMORT SA	Shotcrete/spray applied repair material for vertical and overhead applications with superior strength and durability.	BS EN 1504 -3R4	25 kg bag yields 13 - 14 litre
PolyRon SPATTER DS	Cement based scratch/key coat as a bond enhancer and mechanical key on horizontal, vertical and overhead applications. It can be used on block walls, fairfaced concrete and precast panels prior to plastering applications.		25 kg bag yield 14.5 - 15.5 litre of grout

EPOXY

PolyRon EPOPUTTY	Two component, solvent free, epoxy putty/gel. Designed to use as epoxy putty to fill blow holes and pin holes on concrete before coating epoxy and to fix injection nipples/packers.	ASTM C881: Type 1	1.7 kg/m ² @ 1mm thickness.
PolyRon EPOMORT VO	Three component epoxy repair material for vertical and overhead application with rapid turn around and high strength.		2.5 m ² /pack of 25 kg @ 5 mm thickness
PolyRon EPOMORT BM	A trowelable epoxy benching mortar with maximum chemical and abrasion resistance for the protection of concrete and similar substrates. It is ideally suited for the rehabilitation of manholes.		10 kg/m ² @ 5mm thickness
PolyRon INJECT EP	High performance epoxy resins designed for structural injection of voids and cracks in civil engineering structures and buildings.	BS EN 1504-5	4 litre pack

JOINT SEALANTS & MOLDING COMPOUNDS

PRODUCT NAME	DESCRIPTION	STANDARDS/ COMPLIANCE	DOSAGE/CONSUMPTION/ COVERAGE/YIELD
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POLYSULPHIDE

PolyRon THIOSEAL PS	General purpose Polysulphide Sealants available in pouring and gun grade for construction and expansion joints in construction sites, sewage plants and areas where high chemical properties, fuel resistance and UV resistance are required.	ASTM C 920, FEDERAL SPEC TT-S-227, BS 5212 : 1990, PART-1 TYPE F&F	20x10mm, Joint Size- 5m/litre
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POLYURETHANE

PolyRon ISOFLEX 25 A	General purpose one component polyurethane sealant which cures by moisture to an elastic and tough sealant. It is highly resilient with excellent recovery characteristics and has excellent adhesion over wide range of substrates. Basic uses include construction and expansion joints.	ASTM C 920,BS5889 TYPE A,TT-S-00230C TYPE 2 CLASS A	Refer TDS
PolyRon ISOSEAL 920	Two component polyurethane sealant with excellent UV and chemical resistance available in gun and pouring grade.	ASTM C 920,TYPE M Grade NS/P/T	Refer TDS
PolyRon ISOSEAL 200E	Jet fuel resistant polyurethane sealant conforming to federal specs with excellent temperature and fuel resistance. Primarily used in roads, fuel stations, runways etc.	FEDERAL SPEC SS-S-200 E TYPE H, BS 5212	Refer TDS
PolyRon ISOMOULD 40	Two-part, liquid urethane that can be poured to make molds that cure at room temperature. They are the most versatile, easy-to-use and cost-effective mold materials available. These systems are used across a wide variety of industries, including Precast Concrete, Sculpture & Foundry, Prop Making & Special Effects, Plaster Millwork Industrial Applications.		20 kg yield 15.5 litre

ACRYLIC

PolyRon ACROSEAL	It is a ready to use acrylic based sealant which seals internal and external joints in porous substrate such as concrete, asbestos, cement, brick work and wood. It can be used for sealing all low movement joints.	ASTM C 834, TYPE OP GRADE NF	Refer TDS
PolyRon INTUSEAL	Single component high performance gungrade intumescent fire-stop sealant based on fire resistant acrylic emulsions. The product is fire resistant, easy to apply and seals joints between construction parts subjected to moderate stress.	ASTM C834 TYPE OP GRADE NF, EN 1366-4	Refer TDS

SILICONE

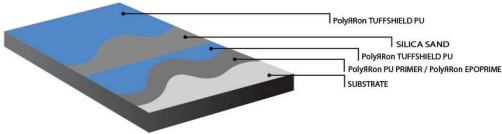
PolyRon SILOSEAL GP	Single component acetic cure silicone sealant which vulcanizes on exposure to moisture in the air at room temperature to produce a flexible elastomeric sealant. It is suitable for all common construction and glazing application. It is easy to apply and offers excellent adhesion to a variety of nonporous substrates such as glass, glazed ceramic tiles and aluminum. It is resistant to ozone, ultraviolet radiation and temperature extremes.		Refer TDS
PolyRon SILOSEAL NC	Single component Neutral Cure Silicone Sealant. Suitable for general construction and sanitary applications. It is non corrosive hence suitable for application where bare metals are used. The non staining properties makes it ideal for granite and marble applications. Ideal for interior and exterior applications.	ISO 11600 LM 20F	Refer TDS

PolyRon SYSTEM PRESENTATIONS

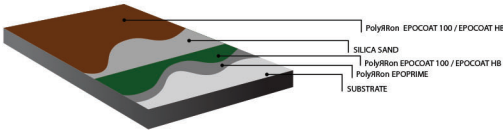
CAR PARKING SYSTEMS

INDOOR

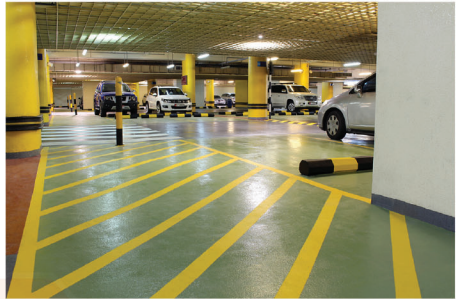
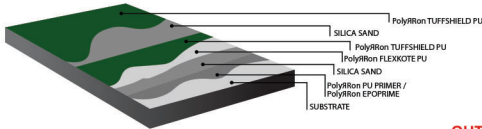
PolyRon DECKGUARD 1000 I



PolyRon DECKGUARD TPI 500

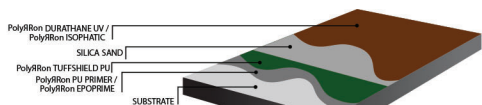


PolyRon DECKGUARD 2000 I

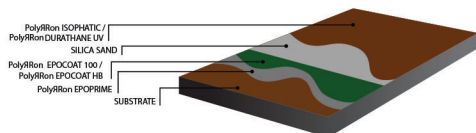


OUTDOOR

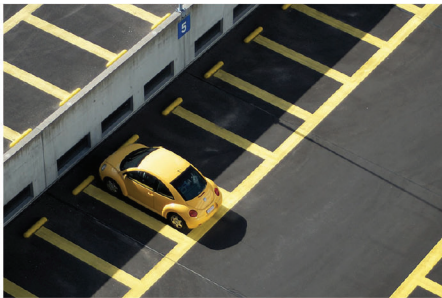
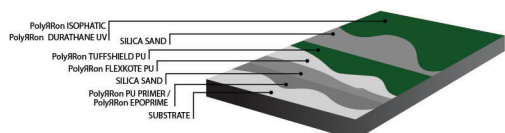
PolyRon DECKGUARD 1000 E



PolyRon DECKGUARD TPE 500



PolyRon DECKGUARD 2000 E

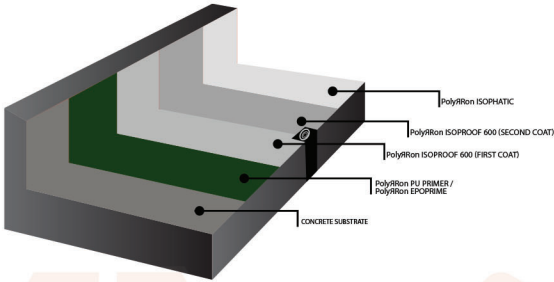


PolyRon SYSTEM PRESENTATIONS

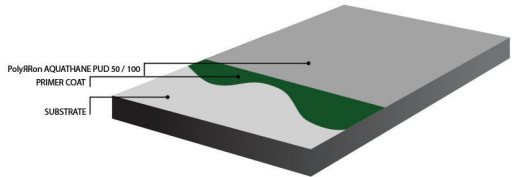
WATERPROOFING SYSTEMS

ROOF WATERPROOFING SYSTEMS (POLYURETHANE)

WATERPROOFING OF AN ACCESSIBLE FLAT ROOF WITH POLYURETHANE LIQUID MEMBRANE AND A PROTECTIVE ALIPHATIC COATING (PEDESTRIAN WALKING SUPPORTED).

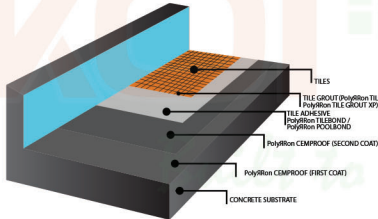


NOVEL WATER BASED ALIPHATIC PREMIUM POLYURETHANE WATERPROOFING COATING/SYSTEM.

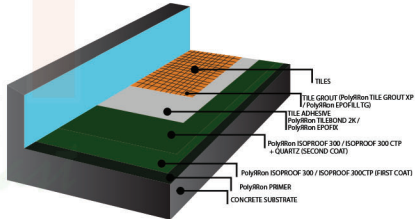


WET AREA WATERPROOFING

WET AREA CEMENTITIOUS WATERPROOFING.



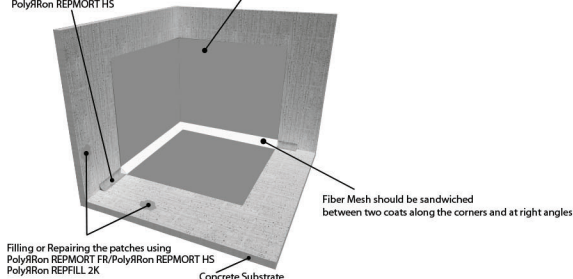
WET AREA POLYURETHANE WATERPROOFING.



TANK WATERPROOFING

GROOVE FORMATION
PolyRon REPMORT FR / PolyRon REPMORT HS

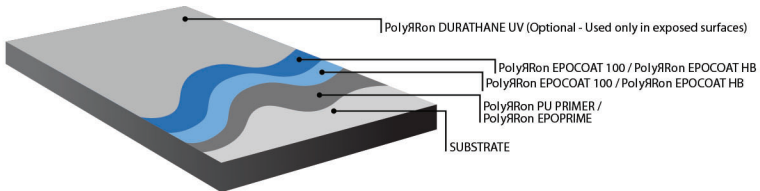
WATERPROOFING WITH
PolyRon CEMPROOF / PolyRon CEMPROOF XL (UPTO 3 COATS)



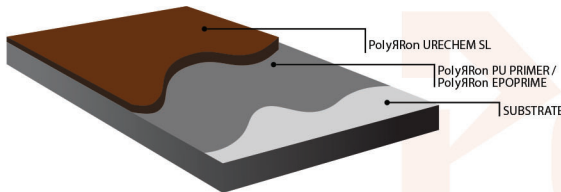
PolyRon SYSTEM PRESENTATIONS

INDUSTRIAL FLOORING SYSTEMS

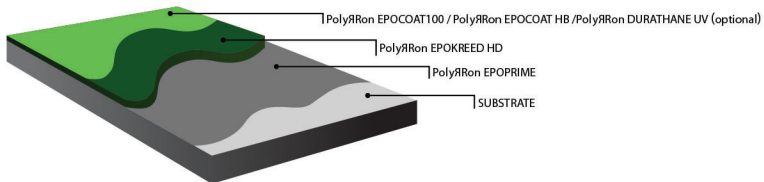
PolyRon GENERAL PURPOSE INDUSTRIAL FLOORING



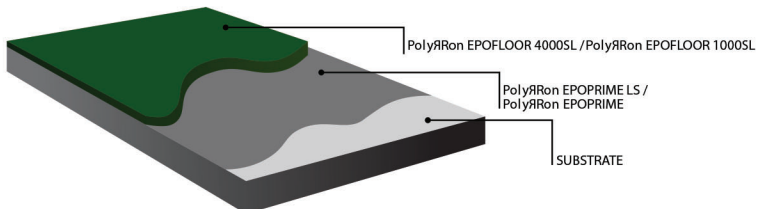
PolyRon POLYURETHANE, HYGIENIC SELF LEVELLING



PolyRon HEAVY DUTY EPOXY SCREED



PolyRon SEAMLESS EPOXY SELF LEVELLING



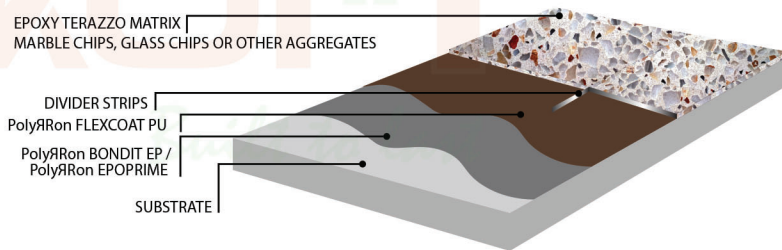
PolyRon SYSTEM PRESENTATIONS

DECORATIVE FLOORING SYSTEM

STAMP CONCRETE SYSTEM

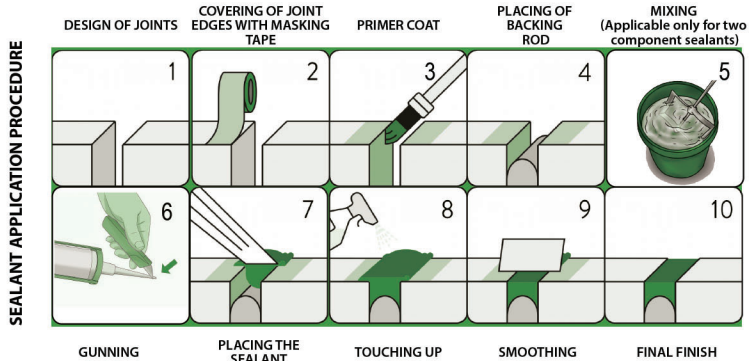
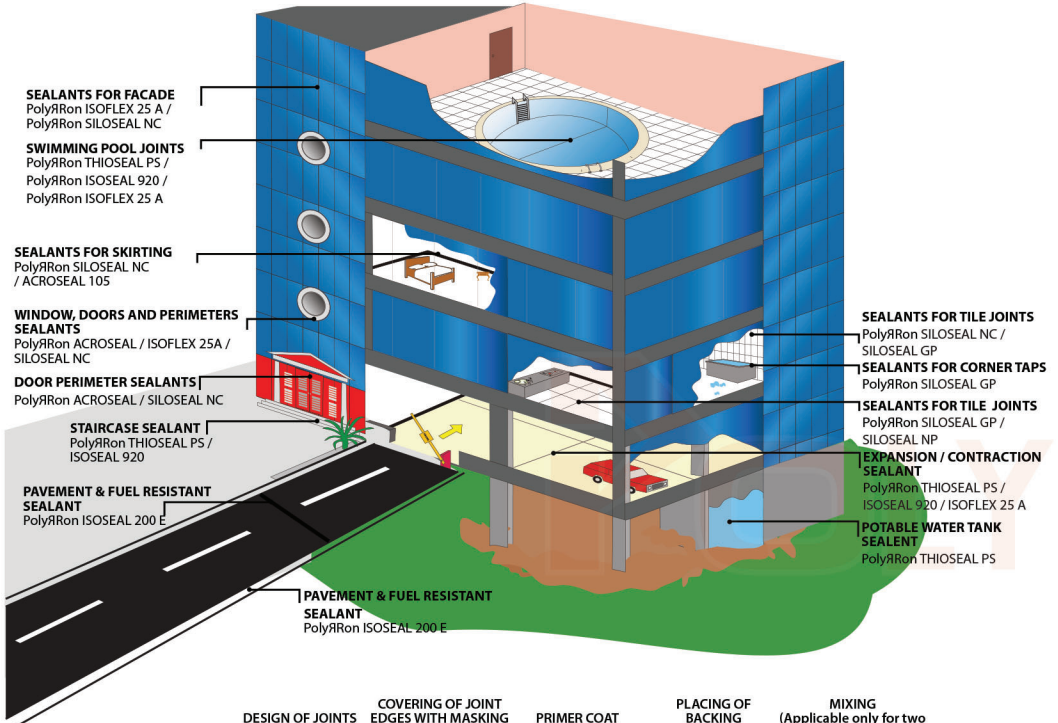


EPOXY TERAZZO SYSTEM



PolyRon SYSTEM PRESENTATIONS

PolyRon SEALANTS AND APPLICATIONS





XPS THERMAL INSULATION

HPI GReeN FOAM

HP Industries GReeN FOAM Extruded Polystyrene panels are specially formulated to suit the very harsh Middle Eastern climatic conditions. HP Industries GReeN FOAM is an intelligent way to insulate a building. It has the lowest global warming and acid rain potential and highest energy saving for the thermal insulation work. HPI GReeN FOAM is available in several different densities and has an R-value at 75°F (24°C) of about 5 per inch. HPI GReeN FOAM has very high insulating capacity which enables it to withstand extreme heat upto 80°C (176°F). Especially suitable for middle eastern hot climatic conditions. Its speciality formulation makes the product a uniform combination of high performance and extremely fire retardant properties. ie, it is 100% non-flammable.

PRODUCT DESCRIPTION

S/N	Product	Description	Brand Dimension (MM)
1.	GReeN FOAM ND (R&W) 32 - 35 kg/m ³	Extruded Polystyrene rigid foam with skin, available with and without shiplap edges.	Width : 600. Length : 1250. Thickness : 50,75, 80. 25, 30, 40 available in straight edge only.
2.	GReeN FOAM MD (R&F) 38 - 42 kg/m ³	Extruded Polystyrene rigid foam with dense skin, available with and without shiplap edges.	Width : 600. Length : 1250. Thickness : 50, 75, 80. 25, 30, 40 available in straight edge only.
3.	GReeN FOAM HD (F) 40 - 45 kg/m ³	Extruded Polystyrene rigid foam with very hard skin, available with and without shiplap edges.	Width : 600. Length : 1250. Thickness : 50, 75, 80. 25, 30, 40 available in straight edge only.

TECHNICAL DATA

S/N	Characteristics (Typical Values)	Test Method	Unit	GReeN FOAM ND (R&W)	GReeN FOAM MD (R&F)	GReeN FOAM HD (F)
1.	Density Range	ASTM D 1622 DIN 53420	Kg/m ³ lb/ft. ³	32-35 2.0-2.2	38-42 2.4-2.6	40-45 2.5 - 2.8
2.	Thermal Conductivity (k)	ASTM C 518	W/m ² k	0.029	0.028	0.027
3.	Compressive Strength at 10% deflection	ASTM D 1621	Kpa psi	270-340 39-49	320-410 46-58	410-630 58-92
4.	Water Vapour Diffusion resistance factor	DIN 52615	μ	100-200	150-220	160-230
5.	Water Vapour Permeability	ASTM E 96	g/hm ²	0.4-0.6	0.4-0.6	0.4-0.6
6.	Water Absorption by Submersion	BSEN 12087 ASTM D 2842 (+1% by Vol. Precision) BS EN 1609:1997	% by Vol. % by Vol. Kg/m ²	<0.3 <0.1 <0.1	<0.3 <0.1 <0.1	<0.3 <0.1 <0.1
7.	Linear Co-efficient of Thermal Expansion	DIN 52328	°C °F	70x10 ⁻⁶ 39x10 ⁻⁶	70x10 ⁻⁶ 39x10 ⁻⁶	70x10 ⁻⁶ 39x10 ⁻⁶
8.	Fire Resting Fire Classification	ISO 11925-2 DIN/ 4102	None Building Material Class	None B2 too difficult to ignite	None B2 too difficult to ignite	None B2 too difficult to ignite

The information in this Technical Data is given to the best of our knowledge. However, as the product is often used under conditions beyond our control, we cannot guarantee but the product itself. HP INDUSTRIES reserves the possibility to change, without warning, the technical characteristics in order to make the product more responding to the application requirements. All values are subject to 5-10% tolerance.

POLYKROIN

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QATARI
PRODUCT



UNITED NATIONS

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