

Durex® Uraflex Decorative Quartz Broadcast Waterproofing System

Decorative Multi-Coloured Quartz Broadcasted Waterproofing System

Description	Durex® Uraflex Decorative Quartz Broadcast Waterproofing System is a high build, heavy duty, decorative, multi-coloured fine aggregate polyurethane flooring system that is top coated with a clear UV protective sealer, designed to protect suspended slabs from heavy wear, impact, abrasion and mild chemicals while yielding an aesthetically pleasing finish. Installed at 80-120 mils (2-3 mm), the Durex® Uraflex Decorative Quartz Broadcast Waterproofing System offers excellent abrasion resistance for demanding floor areas with a waterproofing membrane.
Uses	Durex® Uraflex Decorative Quartz Broadcast Waterproofing System is used as decorative and protective waterproofing system for areas that will be exposed to high traffic, mechanical abuse and mild chemical attack. It is best used for institutional, commercial, and higher-end residential flooring applications where high abrasion resistance and durability is required.
Ideal For	<ul style="list-style-type: none"> • Suspended Slab Balconies & Pedestrian Walkways • Recreational facilities • Public institutions and buildings • Offices
Features	<ul style="list-style-type: none"> • High performance, aesthetically pleasing, durable finish • Easy and quick to install • Long term service life • Thin, lightweight seamless flooring system, easily upturned to create curbs and containment areas • 100% solids, zero VOC • Will not support growth of fungus or bacteria • Excellent abrasion and slip resistance • Easy to clean and to maintain • Waterproofing Membrane

TECHNICAL DATA

PHYSICAL PROPERTIES		
Colour	Please see <i>Durex® Dur-A-Quartz Colour Selector</i> for available colour options.	
Coverage	Membrane: (Durex® Uraflex 360NP) Decorative Quartz Broadcast: (Durex® Uraflex 375UV+ Durex® Decorative Quartz Aggregate) Top Coat: (Durex® Polyuretel)	1.3 m ² /L (53 ft ² /gal) @ 30 mils Uraflex 375UV: 0.9 m ² /L (54 ft ² /gal) @ 30 mils Decorative Quartz: Full saturation to excess broadcast + 7.4 kg/m ² (1.5 lb/ft ²) 2-3 m ² /L (80-160 ft ² /gal) @ 10-20 mils WFT
Mix Ratio	As supplied	
Pot Life	See TDS of individual products	
Service Temperature Range	Minimum: 0°C/Maximum: 50°C/Quick Term: 95°C	

PERFORMANCE PROPERTIES	TEST METHOD	RESULTS
Percent Solids	ASTM D7232-06	100%
Compressive Strength	ASTM C579	7,500 psi (52 MPa)
Tensile Strength	ASTM C580	1400 psi (10 MPa)
Bond Strength	ASTM D7234	>400PSI (3.6 MPa) – concrete failure
Elongation (membrane)	ASTM D412	900%
Flexural Strength	ASTM C580	3,000psi (18 MPa)
Abrasion Resistance	ASTM D4060-90	25 mg, 100g load, 1000 cycles
Shore D Hardness	ASTM D2240	70

Packaging	Durex® Uraflex Decorative Quartz Broadcast Waterproofing System is packaged separately per individual product. Durex® Uraflex 360NP & 375UV are packaged in 1 gallon (3.78 L), 5 gallon (18.9 L) and 15 gallon (56.7 L) kits. Durex® Decorative Broadcast Quartz is packaged in 50 lb bags. This product is available in multiple standard colours. Custom colour matching can also be attained at an additional cost. Please refer to Durex® <i>Colour Selection Guide</i> for all available colour options.
Storage Conditions	Store Durex® Uraflex Decorative Quartz Broadcast Waterproofing System in a dry, vented, waterproof location, stacked off the ground, out of direct sunlight and other detrimental conditions. Store liquid materials as ambient temperatures above 10 degrees C and below 30 degrees C. KEEP FROM FREEZING.
Surface Preparation	Concrete substrate must be prepared to ICRI CSP 3. For best results surfaces shall be mechanically abraded and be sound, clean, properly prepared, and free from hydrostatic pressure and high levels of moisture vapour transmission. Do not apply this or any impermeable finish over an on-grade slab with moisture levels above 4% by weight (Durex® Epotel Moisture Block may be used for moisture content up to 6%, always consult your Durabond representative prior to use). Prime area with Durex® Uraflex Primer if substrate is porous. If cove base is specified, it should be installed first. Treat all cracks in accordance to ASTM C1127.
Application	Durex® Uraflex Decorative Quartz Broadcast Waterproofing System is installed at a nominal 2-3 mm (80-120 mils) thickness; consisting of a 100% solids urethane membrane Durex® Uraflex 360NP a high-quality UV resistant polyurethane binder, Durex® Uraflex 370UV; Durex® Decorative Quartz Aggregate broadcasted to excess; Durex® Polyuretel Clear top coat. Contact a Durabond Technical Representative for further information.

- Step 1 MEMBRANE:** Durex® Uraflex 360NP. Premix components A and B with a low speed drill equipped with a non-air entraining paddle mixing blade for two minutes. Pour onto substrate in ribbons and apply with squeegee. Cut in with brush, and back roll with a short nap roller. Do not allow material to pond. Durex® Uraflex 360NP shall be applied to a thickness of 30 mils, but will vary depending upon the condition of the substrate.
- Step 2 DECORATIVE QUARTZ BROADCAST:** While primer is still wet and tacky, premix Durex® Uraflex 375UV components, blending parts A and B with a low speed drill for two minutes. Once mixed, apply Durex® Uraflex 375UV at a thickness of 30 mils. Immediately broadcast Durex® Decorative Quartz Aggregate to excess (roughly 1.5 lbs per square foot). Allow to cure. Sweep and vacuum up loose aggregate. When necessary lightly abrade quartz to obtain a smooth surface.
- DOUBLE BROADCAST (OPTIONAL):** For superior coverage, the Decorative Broadcast Quartz Step can be installed in two stages. Apply in 2 coats at 15 mils per coat, broadcasting quartz to excess at approximately 0.75 lbs per square foot. Sweep and vacuum up loose aggregate between coats and before the topcoat. When necessary lightly abrade quartz to obtain a smooth surface.
- Step 3 FINISH COAT:** Premix Durex® Polyuretel Clear (or recommended) components, then blend coating components A and B for two minutes. Pour onto floor in ribbons, distribute with a squeegee, and lightly back roll with a lint free roller to smooth out roller marks. Application thickness will dictate surface profile. 10 mils will yield a coarser finish, 20 mils will yield a smoother finish. Optional topcoats available. Contact a Durabond Technical Representative for details.

ESTIMATING & APPLICATION GUIDELINES			
SYSTEM	STEP 1 Membrane	STEP 2 Decorative Quartz Broadcast	STEP 3 Top Coat
Product	Durex® Uraflex 360NP	Durex® Uraflex 375UV+ Durex® Decorative Quartz Aggregate	Durex® Polyuretel
Mix Ratio	See TDS	Resin: see TDS Quartz: 1-2 lb/ft²	See TDS
Coverage*	200 ft²/gal @ 8-10 mils WFT	54 ft²/gallon @ 30 mils WFT + 1.5 lb/ft² Decorative Quartz	80-160 ft²/gal @ 10-20 mils WFT
Pot Life @ 70°F	25 min.	20 min	25 min
Cure to Next Step @ 20°C	8 Hours	8 hours	8 hours
Notes: *Coverage and requirements are dependent upon substrate condition and desired finish and texture. As is the case with all blended aggregates, it is recommended that Colour Quartz should be batch mixed prior to use. * Optional Topcoats can be added for sheen control and UV resistance. Contact Durabond for further information.			

Care & Maintenance	Newly installed floors should be cured a minimum of 48 hours at 20°C (70°F) before wash-downs. Only warm water should be used to clean within the first week. If the use of a detergent is absolutely necessary during the first week, use a non-chlorine cleaner dissolved in water. Sanitizing detergents containing chlorine or hypochlorite must not be used for at least 7 days. Good housekeeping practices and regulated spill removal will prolong the service life of the floor. While polymer flooring often requires less maintenance than other finishes, cleaning and stain removal must be performed. Stains should be removed as soon as possible.
Limitations	Durex® Uraflex Decorative Quartz Broadcast Waterproofing System is impermeable. Test all concrete slabs on grade for moisture content. Product should only be installed if moisture content falls within an acceptable range. Minimum application temperature is 8°C (45°F). Below 15°C (62°F), handling characteristics are affected, and cure times are lengthened. Chemical exposure, service temperatures, mechanical abuse, and housekeeping influence service life. The project depending on chemical exposure may require Durex® Chemical Resistant Coatings.
Health and Safety	Read and follow the Safety Data Sheet prior to use. Avoid contact with eyes and prolonged contact with skin. Wear protective clothing and face protection at all times while handling, mixing and applying the products. If contact occurs, flush immediately and seek medical advice if irritation occurs. Harmful if swallowed. Keep product out of reach of children. Read published safety data sheets for additional information.
Warranty	Durabond warrants this product is free of manufacturing defects, and will replace at no charge, provided it has been applied within 12 months of purchase, it has been installed for uses suitable for this product and in accordance with the manufacturer's instructions.
Technical Services	Technical support is available upon request at info@durabond.com . For the latest version of this data sheet, please visit our website at www.durabond.com , call toll free at 1-877-DURABOND (387-2266) or speak with your Durabond Technical Coatings Ltd. sales representative.

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