QUICSEAL 531

Paver-Crete

Pre-packed – easy to mix and apply

Excellent waterproofing qualities

Excellent bond strength to substrates

Excellent abrasion and impact resistance

High flexural and tensile strength

Can be applied onto damp substrates (no free water on substrate)

Green product certified material

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Paver-Crete

DESCRIPTION
QUICSEAL 531 is a two component, pre-packed high performance acrylic polymer modified cement based mortar designed for all types of resurfacing, patching and repairing of concrete surface. Part A comprise of a polymer emulsion developed from the latest latex technology. Part B comprise of a blend of special cement, specially graded fillers and additives.

TYPICAL USES
QUICSEAL 531 is ideal in the following areas:-
- As general resurfacing, patching and repairing of concrete surface with high vehicular traffic.
- Topping of new and old concrete floors to increase skid and wear resistance.
- Resurfacing of worn out concrete floors
- Patching and repairing of damaged concrete surfaces
- Suitable for warehouses, car parks & driveways, bus bays, concrete roads, docks, etc.

SURFACE PREPARATION
The substrate must be clean and sound, free of dust, loose particles. Laitance, oil, grease must be removed from concrete surfaces by scabbling, grit blasting or other means. Defective and unsound substrate has to be removed and repaired prior to application of QUICSEAL 531. Existing substrate expansion joint is to be continued through the new topping and any moving cracks should be isolated with a movement joint.

PRIMING
Prime the surface with QUICSEAL 607 or QUICSEAL 113 (approx. 0.2 kg per m^2). Please refer to the respective product technical data for more information.

MIXING
Pour Part A (liquid) into a clean container. Slowly add Part B (powder) into the container containing Part A and mix with a low-speed mechanical mixer until a homogeneous and lump-free mix is obtained.

APPLICATION
Immediately after mixing, apply well-mixed QUICSEAL 531 with a metal trowel to the primed surface at thickness of minimum 3 mm to maximum 6 mm in one layer. For placement of more than 1-layer, sufficient curing time interval of 6-12 hours is recommended for each subsequent layer, after the previous layer completely cures and hardens. For surfaces requiring anti-skid finish, QUICSEAL 531 can be broom swept to a desired texture approximately 3-5 minutes after application.

CURING
Consistent with cementitious toppings, it is essential to allow QUICSEAL 531 to cure naturally in ambient conditions. Where rapid drying conditions exist, such as high temperature, direct sunlight, and strong wind, QUICSEAL 531 should be protected with polythene sheet or QUICSEAL 507 Cure-shield WB to reduce premature water loss. Allow a minimum curing time interval of 12 hours before opening up the area to vehicular traffic.

PACKAGING
QUICSEAL 531 Paver-Crete is available in 29.4 kg set consisting of Part A emulsion and Part B powder.

COVERAGE
2.1 kg per m^2 per mm thickness.

STORAGE
Store in a sheltered, cool, dry place, protected from rain and sunlight and extreme temperatures.
QUICSEAL 531 has a shelf life of 12 months when stored as stated in its original packing.

TECHNICAL DATA

Mix Ratio (liquid: powder)	4.4kg: 25kg
Wet Density (g/ml)	2.1
Compressive Strength at 28 days (ASTM C109/C 109M:2021)	> 35 N/mm^2
Flexural Strength (ASTM C348: 2021)	> 8.0 N/mm^2
Shear Bond Strength at 28 days (ASTM C482:2020)	> 2.0 N/mm^2
Taber Abrasion ASTM D4060: 2019)	Weight loss < 1.5gm
Yield Per 29.4kg set	Approx 14L
Skid Resistance (ASTM E303: 2022)	> 55 BPN wet condition on wooden trowel

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QUV Accelarated Weathering (ASTM G154: 2023) -500 hours -1000 hours	No cracking, blistering, softening or delamination after exposure
Water Penetration (DIN 1048-5:1991)	0mm

HEALTH & SAFETY

Avoid eye and unnecessary skin contact, as the product is alkaline In case of eye contact, flush with plenty of clean water and seek medical help immediately.

IMPORTANT NOTES

The information set forth herein is furnished free of charge in good faith and is based on technical data that QUICSEAL considers to be reliable. This information is intended for used by persons having technical skill and at their own discretion and risk. Information contained in this product sheet conforms to the standard detail recommendations and specifications for the installation of QUICSEAL products as of the date of publication of this document. QUICSEAL makes no other warranties and assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, please contact ARDEX-QUICSEAL

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