

QUATTRO®

THE RUBBER & RESIN SPECIALIST

Q/pol - Concrete & Porous Surface Sealer



CONCRETE & POROUS SURFACE SEALER

FOR THIN FLOORING SECTIONS & SCREEDS PLUS REPAIR, RENOVATION AND PROTECTION ON SILAGE PIT FLOORS

Mix 50/50 with water & apply by roller or brush to seal and protect porous concrete, sandstone, wood & stone. Cement can be added to this if surface damage is evident. Q/POL must soak in to the surface to seal and CANNOT be used as a build up coating as it does not set hard and will peel off. Remove excess Q/POL as soon as possible.

Q/POL is a multi-purpose product used from a sealer to a heavy screeding mix. The type of mix will be determined by the substrate roughness. i.e. For a floor starting to lose its top a polymer and neat cement mix would be appropriate. A floor with excessive damage a polymer/sand/cement or even a polymer/granite chip/cement mix would be required.

APPLICATION & MIXING - FLOOR SCREEDS

Dust and loose or weak areas must be removed and the surface should be dry. Unsound bases should be cut out and made good prior to final screed.

PRIMING - The sub-floor must be primed to ensure strong bonding of the topping. Add a 1:1 mixture of Q/POL and water to an equal volume of cement and mix into a wet slurry. Dosage 0.25L Q/POL per sq.mt. The topping must be applied onto a wet slurry, therefore only prime as much floor as required. Should the primer mix set, further primer should be applied.

MIXING - Hand mixing is very reliable. Machine mixing gives equally good results if care is taken to avoid air entrapment (i.e. do not mix for longer than 3 minutes). Mix the cement and aggregate thoroughly first, then add the recommended amount of Q/POL. Add sufficient water to give a mix which just holds together when squeezed in the hand.

APPLICATION - For screed 8mm plus, spread the wet mix to the required thickness and compact with tamping bar. Screed off and level with a wooden float. Close the surface with a metal float and do not rework the surface further after this. In hot or very dry conditions, sheet the newly laid area with polythene, do not flood the floor.

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Q/pol - Concrete & Porous Surface Sealer

Medium Duty Topping (6mm-12mm)

150kg Dried silica sand (50 mesh average)
50kg Portland cement by weight
10 Lts Q/Pol to approx 10 litres water to wet consistency

Approx Coverage

9-10 sq. mts at 6mm
6-7 sq. mts at 12mm
Mixing a little water or Q/Pol with dry cement first will ensure eradication of dry lumps.

Heavy Duty Topping (12mm-24mm)

75kg (1.5cwt) Granite chips 3mm
75kg Dried silica sand (Zone 4)
50kg (1 cwt) Portland Cement
10 Lts Q/POL to 10 litres water to semi-wet consistency

N.B Only dry silica or hard granite sand should be used, never use 'building sand'

RESURFACING MIXES

The following mixes are ideal for resurfacing damaged silo floors - see over for slurry mix.

SILO FLOORS

Thin Seal 2 parts Q/POL to 1 part water with neat cement.

Skimming 50 kg Dry Silica Sand to 20kg Cement Q/POL and water 50/50 to form thicker slurry.

These mixes will form a slurry that may be brushed on with a stiff brush, squeegeed or trowelled. Pull off hard to expose the top of the stone to ensure grip. These mixes may be bulked out with sharp sand or aggregate to build into larger holes or damaged areas, plus large floor joints.

APPROX COVERAGE - 18-50 sq metres per 20ltr Q/POL HEAVIER MIXES and COVING - (See recommended mixes)

Q/POL may also be mixed into render type mixes for the base of walls, large voids and floor and wall joints (with latter overcoat with HYTECT OR Q/SEAL P1)

QUATTRO TIPS

1. As damage varies throughout most pits, mixes can be changed to suit accordingly.
2. Glass bottles form a good coving to protect bottom of pit walls, and should be overcoated with Q/SEAL for maximum protection.
3. In hot weather, especially in unroofed pits it is advisable to cover with polythene to prevent crazing. If crazing does occur, overcoat with neat Q/POL once cured.
4. On coving it is recommended all mixes be overcoated with a coat of Q/POL and water 50/50 or Q/SEAL once cured.

SLURRY MIX FOR SILAGE PIT ROUGH STONE FLOOR

WHERE A PIT FLOOR MAY BE ROUGH AND YOU WISH TO RE SURFACE TO LEVEL TO THE TOP OF THE STONES.

PRIMER - 1 PART Q/POL 1 PART WATER 1 PART CEMENT
ROLLER OR BRUSH ONTO IMMEDIATE AREA TO BE COVERED. PRIMER SHOULD ALWAYS BE WET OR TACKY WHEN COVERING. IF LEFT TO DRY REPRIME.

SLURRY MIX - 3 PARTS SILICA SAND TO 1 PART CEMENT (BY WEIGHT)
Q/POL & WATER 50/50
PUT SOME LIQUID IN MIXER. ADD SAND & CEMENT ADD SOME MORE OF THE Q/POL MIX TO FORM WET SLURRY. POUR ONTO PRIMED SURFACE AND SPREAD WITH SQUEEGEE OR TROWEL TO LEVEL OF STONE. FINISH WITH A SOFT SWEEPING BRUSH WETTED WITH PRIMER MIX. LIQUID OR SAND/CEMENT CAN BE ADDED TO MIXES TO ACHIEVE CONSISTENCY AS REQUIRED.

IF OUTSIDE COVER TO PROTECT FROM RAIN UNTIL CURE 24 HOURS.

Q/POL - RENDER MIX

1. MIX Q/POL & WATER 50/50

2. AS A PRIMER: MIX A SMALL QUANTITY OF THE Q/POL / WATER MIX WITH 1/4 OF ITS VOLUME OF CEMENT. BRUSH THE PRIMER MIX ONTO THE WALL. N.B. THE TROWEL MIX SHOULD BE APPLIED ONTO A WET / DAMP PRIMER. THEREFORE DO NOT PRIME TOO FAR AHEAD. IF THE PRIMER DRIES FULLY RE - PRIME. TACKY PRIMER HOLDS RENDER MIX BEST.

3. TAKE OUT A PORTION OF THE SAND / CEMENT MIX AND ADD THE Q/POL / WATER MIX IN THOROUGHLY TO A SEMI DRY RENDER CONSISTENCY. ONCE MIXED TROWEL ON TO THE PRIMED AREA USING A PLASTIC OR METAL FLOAT.

4. IF REPAIRING DAMAGED AREAS OF RENDER BRUSH OVER THE EDGE OF THE REPAIR WITH THE PRIMER MIX. THIS WILL FEATHER IN AND PROVIDE A TIGHT MIX.