



Q/SEAL DATA SHEET

Q/SEAL is a air moisture curing polyurethane pre-polymer with a high solids content and low viscosity for penetration into concrete, grano or wood floors and walls.

Q/SEAL P1 exhibits excellent chemical resistance to a wide range of chemicals and first class abrasion resistance, is transparent brown in colour and has a higher abrasion resistance than P2 it is recommended in areas subject to heavy wear, making it ideal for protection in some of the most aggressive environments,

SILAGE PITS, SLURRY TANKS, COLLECTING YARD WALLS, GARAGES, WAREHOUSES, CHEMICAL STORES etc.

Q/SEAL P1 is ideal for sealing Silage Pit walls. Also for shuttered concrete, panel walls, tanks and pits etc. The number of coats may vary due to porosity of surface.

Q/SEAL P1 penetrates into porous weak concrete and grano and acts as a binder reinforcing the concrete. old dusting and crumbling floors can be strengthened and dustproofed at the same time.

A two coat application of **Q/SEAL P1** will provide total seal to most concrete and grano floors. However due to variations in concrete and render, extra coats may be required to provide a full sheen surface. Where soaking in may occur this often shows that the extra strength of **Q/SEAL P1** is required to achieve full strength and resistance.

Floors treated with **Q/SEAL** are easily cleaned as any spillage remains on the surface and is easily mopped up, helping prevent accidents from slipping.

PREPARATION & APPLICATION

It is essential that the substrate is free from all contaminants and chemically neutral to achieve maximum adhesion. Ensure surface is dry and clean before application.

Apply by roller, brush or spray working out the material as far as possible. Do not pool as solvents can become trapped. Where chemical resistance is required apply coats until a light sheen is produced.

Best results are achieved where the final finish shows a good sheen.

Q/SEAL P1 contains aromatic solvents with a flash point of 44°C which do not require special precautions during application as is the case with many highly inflammable floor/wall seals.

N.B. Where **Q/SEAL P1** is to be used as a low cost sealer for **PARLOUR** or **DAIRY** walls they should be prepared with

QUATTRO ACID ETCH.

Following the first coat of **Q/SEAL P1** subsequent coats should be applied within 12 hours of the previous. **Q/SEAL P1** can be applied whilst the previous coat is still tacky.

Once cured **Q/SEAL P1** will not readily accept further coats of itself or other coatings apart from **AQUACOAT SPECIAL PRIMER**.

Q/SEAL P1 is transparent brown in colour, low cost dust-proofer/sealer recommended for use in areas subject to heavy wear.

COMPOSITION

Q/SEAL P1 is a high solids, high flash point (44 DEG C), solvent containing polyurethane liquid of low viscosity.

APPEARANCE

Q/SEAL P1 is a clear gloss finish.

DURABILITY

Q/SEAL P1 has an extremely high abrasion resistance and will withstand heavy traffic for prolonged periods. It is considerably superior to conventional oil and water based floor paints.

THICKNESS

Q/SEAL P1 – average 60 um per coat.

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TYPICAL INSTALLATIONS

Q/SEAL not only seals but penetrates old and porous concrete acting as a strengthening binder and

reinforcer. It is ideal for use as a sealer in warehouses, storage areas, trucking lanes etc. Q/Seal is excellent for sealing walls & panels in silage pits, tanks, pens, collecting yards etc.

SUBSTRATES

Q/SEAL bonds well to concrete, grano, wood and metals.

SURFACE PREPARATION

To be assured of maximum adhesion and properties from Quattro Resin Products the correct surface preparation is essential. All surfaces should be clean & dry. On walls where there may be blow holes fill those first with Blockseal. On smaller 'blows' use a small brush to achieve the best possible seal.

APPLICATION CONDITIONS

Q/SEAL contains solvents and should only be used in well ventilated areas. Application temperature 0 – 30 DEG C

APPLICATION

Apply Q/Seal by roller or brush. It is advisable in 2 and 3 coat applications to apply following coats straight away. Wet onto wet or whilst still tacky. Brush into small holes, joints etc. The finish should have a full sheen.

COVERAGE RATES

(sq.m. per kg per coat) P1

Average Substrate - 8 – 10

Porous Uneven Substrates - 6 – 8

SPECIFICATION DETAIL

Porous, Uneven Concrete – Apply 2 or 3 coats Q/SEAL at an average rate of 7 sq. m per kg.

Average Substrates - Apply 2 or 3 coats Q/Seal at an average rate of 9 sq. m. per kg.

MAINTENANCE

Q/SEAL floors can be readily cleaned by mopping with a proprietary detergent solution.

CHEMICAL RESISTANCE

Q/SEAL exhibits goods resistance to a wide range of chemicals, effluent, oil, petrol etc. Floor seals can be damaged by heavy impact and chemicals can then attack the concrete from underneath the seal. In heavy use areas this can be touched up periodically.

Please store inside between +5 and +35°C



CURE SCHEDULE

| | |
|---------------------------------------|--------------------|
| Touch Dry Film Time @ 20 DEG C | 4 – 6 hours |
| Intercoat Period | 6 – 24 hours |
| Foot Traffic | 16 hours |
| Heavy Traffic | 35 hours |
| Full Cure | 3 – 4 days |

TECHNICAL DATA

| | |
|--|----------------|
| 40um Film Hardness (DIN 53157) | 170 sec |
| Taber Abrasion Loss (CS17, 1000 rpm, 1000g) | 3 -5 mg (dry) |

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