



*For beautiful surfaces
we have the solutions...*

CLEANING - SEALING - MAINTENANCE

Solutions for Stone, Travertine, Terrazzo, Polished Porcelain, Marble, Granite, Terracotta, Slate, Porcelain, Quarry Tiles and Glazed Ceramics

TRADITIONAL & SYNTHETIC FORMULATIONS



MATTSTONE H2O

Impregnating Sealer

FOR INTERIOR AND EXTERIOR USE

For all types of natural and artificial stone, travertine, quarry, brick and paving.

Honed, rough cut, riven and polished surfaces.

LOW ODOUR

1 litre e



GRIMEX

Heavy Duty Grease Remover

INTERIOR AND EXTERIOR USE

Use for travertine, limestone, stone, slate, marble, granite, porcelain, tiles, brick and paving

1 litre e



MAXWASH

Neutral Cleaner

QUALITY LIQUID SOAP for all types of surface

Use on travertine, limestone, stone, slate, marble, granite, porcelain, terracotta, terrazzo, concrete, quarry tiles and flagstones



MATTSTONE

Polished Finish

FOR INTERIOR

Use for polished stone, tiles and paving



Stone Federation Great Britain

THE UK's No.1
Manufacturer
FOR THE TILE & STONE MARKET



Full product instructions and [technical data sheets](#) are available from our website.

INTENSIVE CLEANERS

LTP GRIMEX 1 and 5 litres

Heavy Duty Grime Remover – Interior and exterior use

Removes oil, grease, ingrained dirt and old wax layers. Suitable for travertine, limestone, sandstone, slate, marble, porcelain, granite, terracotta, quarry tiles, brick and external paving.



LTP STONECLEAN 250ml aerosol

Intensive Cleaner – Interior and exterior use

Fast acting foaming cleaner for polished and unpolished surfaces. Ideal for cleaning and renovating fireplaces and worktops. Removes dirt, soot, grime and build up of wax and aftercare product. Suitable for travertine, limestone, sandstone, slate, marble, granite, quartz, terrazzo, basalt and concrete. Can also be used on laminate and acrylic worktops.



LTP GROUT STAIN REMOVER 1 and 5 litres

Cement, Limescale and Grout Residue Remover – Interior and exterior use

An acid based cleaner for removing cement residues, grout stain, efflorescence and other similar deposits from glazed and unglazed ceramics, slate, quarry tiles, brick, terracotta, and sandstone. Useful for routine cleaning of patios and other outside paved areas. Do not use on limestone, marble and other acid sensitive surfaces (see technical data sheet for more information).



LTP POWER STRIPPER 1 and 5 litres

Intensive Cleaner – Interior and exterior use

A high performance intensive cleaner for stripping and cleaning natural stone, ceramics and other mineral floors and walls. Helps remove oxidised linseed oil and other mineral oils. Suitable for travertine, stone, sandstone, slate, marble, porcelain, granite, terracotta, terrazzo, quarry, brick, concrete and external paving.



LTP SOLVEX 1 and 5 litres

High Performance Remover – Interior and exterior use

A powerful non-caustic stripper that softens most types of surface sealer for easy removal. Removes most wax, oil, silicone, acrylic, polyurethane sealers and residual epoxy grouts. Suitable for stone, travertine, terracotta, slate, sandstone, flagstones, quarry tiles, ceramic and porcelain.



LTP SPOT STAIN REMOVER 500ml

Interior and exterior use

Effective at removing the majority of mineral oil and cooking oil stains (including oil spatters). Combine with LTP Fullers Earth to help remove cooking oil and old stains. Suitable for use on travertine, limestone, sandstone, slate, marble, porcelain, granite, terracotta, quarry tiles, brick, concrete and external paving.



LTP FULLERS EARTH 150g bottle

Interior and exterior use

Ultra-absorbent stain remover for all greasy stains (including oil, grease, make-up and sebum). Combine with LTP Spot Stain Remover for stubborn flooring stains. For use on stone, marble, terracotta, concrete, external paving, wood, fabrics and leather.



LTP MOULDEX 500ml spray

Grout Cleaner – Interior and exterior use

Kills and removes mould spores, fungus, algae and moss from grouting and the surface of silicone seals and other damp places. Anti bacterial actions helps prevent re growth.



[Buy Spot Stain Remover >>>](#)



[Buy Fullers Earth >>>](#)



[Buy Mouldex >>>](#)

SURFACE SEALERS

LTP IRONWAX (GLOSS OR SATIN) 1 and 5 litres



Film Forming Sealer – Interior use only

Easy to apply, low maintenance self-shine acrylic sealer in gloss or satin finish. Enhances colour and texture, protects against staining and stubborn dirt, easy to maintain. May be used on travertine, limestone, sandstone, slate, unpolished marble, terracotta, porous quarries, bricks, terrazzo and concrete. Suitable for domestic and commercial use. On more porous surfaces pre-seal with Mattstone H2O. Do not use in wet areas.



[Buy Ironwax Gloss >>>](#)



[Buy Ironwax Satin >>>](#)

LTP ANTIQUE OR CLEAR WAX 1 and 2.5 litres

Wall and Floor Tile Polish – Interior use

A soft paste wax blended from three types of wax which gives treated surfaces an excellent traditional shine. It provides a resilient protective layer against water, dust, dirt and a variety of commonly found household contaminants. Suitable for use on travertine, limestone, sandstone, slate, tumbled marble, flamed granite, terracotta, quarry and brick tiles.



[Buy ClearWax >>>](#)



[Buy Antique Wax >>>](#)

SURFACE SEALERS

LTP GLAZE PROTECTOR 1 and 5 litres

Self Shine Sealer – Interior use

Low maintenance self shine film forming sealer for non-porous surfaces. Suitable for glazed ceramic and porcelain, unpolished porcelain and vitrified quarry tiles. Protects and embellishes the surface. Highly resistant to wear and stains. Facilitates maintenance and cleaning. Leaves surfaces with a 'just washed' look. Not for use in wet areas.



[Buy Glaze Protector >>>](#)

IMPREGNATING SEALERS

LTP MATTSTONE H2O 1 and 5 litres

Interior and exterior use

A natural finish water based, low odour impregnating sealer. Delicately enhances colour. Helps protect against staining. Strongly repels water, oil and grease. Allows surface to breathe. For all types of natural and artificial stone, quarry, brick and paving. Honed, rough cut and polished surfaces.



[Buy Mattstone H2O >>>](#)

LTP MATTSTONE 500ml, 1 and 5 litres

Interior and exterior use

A natural, matt finish, impregnating sealer that will delicately enhance colour and texture. Helps protect against staining. Strongly repels water, oil and grease. Allows surfaces to breathe. Suitable for all types of natural and artificial stone, unglazed porcelain, sandstone, slate, marble, terracotta, quarry, brick and paving.



[Buy Mattstone >>>](#)

LTP COLOUR INTENSIFIER & STAINBLOCK 500ml, 1 and 5 litres

Interior and exterior use

Colour enhanced matt finish impregnating sealer. For use on wall and floor surfaces. Strongly protects against water, oil grease and dirt. Resin content delicately enhances colour. Allows surface to breathe. Can be used around swimming pools. Suitable for slate, natural stone, tumbled marble, travertine, terracotta, quarry, terrazzo and sandstone.



[Buy Colour Intensifier & Stainblock >>>](#)

LTP MPG SEALER 500ml, 1 and 5 litres

Polished Wall and Floor Sealer – Interior and exterior use

Colourless and easy to apply impregnating sealer that does not alter the polished finish of the surface. Use on polished floors, walls, worktops and fireplaces. Simply apply the sealer and buff to a finish. Suitable for polished surfaces such as porcelain, marble, limestone, slate and granite.



[Buy MPG Sealer >>>](#)

IMPREGNATING SEALERS

LTP STONE OIL ANTIQUE 1 and 5 litres

Interior and exterior use

A unique pre-polish oil for making new stone and terracotta look instantly “aged”. Surfaces sealed with LTP Stone Oil Antique are normally finished with LTP Antique Wax. For natural stone and terracotta.



LTP STONE OIL 1 and 5 litres

Interior and exterior use

Easy to apply pre-polish, oil based impregnating sealer which enhances the colour and texture of floors. Offers good mechanical strength once cured. Surfaces sealed with LTP Stone Oil are often finished with LTP Clear Wax. Suitable for porous stone and terracotta.



LTP BOILED LINSEED OIL 2 and 5 litres

Interior use

The traditional pre-polish sealer for terracotta. A rich golden coloured oil ideal for protecting and enhancing machine and handmade terracotta. Fills and hardens within the open pores of the terracotta inhibiting the absorption of grime and fluids. Offers good mechanical strength to low fire hand made terracotta.



LTP STONESEAL 250ml aerosol

Interior and exterior use

A quick drying spray on impregnating sealer that forms a colourless barrier and helps to protect porous stone surfaces from water, dirt, oil, grease, soot and lime scale, making treated surfaces easier to keep clean. Protection for polished and unpolished natural and artificial stone including limestone, marble, travertine, slate, sandstone, quartz, terrazzo, basalt, concrete and all other types of masonry surface.



LTP GROUT PROTECTOR 1 litre

For Walls and Floors – Interior and exterior use

Forms a clear, colourless barrier. Helps protect absorbent, porous grout joints against water, dirt, grease, mould and limescale. LTP Grout Protector is intended for use only on porous grout joints between non-porous glazed or highly vitrified ceramic tiles (not epoxy grout).



IMPREGNATING SEALERS



LTP CRACKLE GLAZE PROTECTOR 500ml

Forms a clear colourless barrier. Helps protect porous tiles from penetration by water, dirt, oil, grease, limescale and other commonly found household contaminants. For use on crackle glaze tiles and grout joints.



[Buy Crackle Glaze Protector >>>](#)



LTP GROUT & TILE PROTECTOR 600ml aerosol

Interior and exterior use

Forms a colourless barrier and helps to protect porous wall and floor grout joints from penetration by water, dirt, oil, grease and limescale, making treated surfaces easier to keep clean. Ideal for use in wet rooms and shower enclosures. Used as a 'top up coat' this product is an easy way to further protect natural stone and all other types of masonry surface.



[Buy Grout & Tile Protector >>>](#)

MAINTENANCE PRODUCTS

LTP FLOORSHINE 1 and 5 litres

Clean & Shine Renovating Cleaner – Interior use

A highly effective maintenance cleaner for tiled surfaces. Cleans and protects in one application. Renovates dull looking floors. Regular use will also help to reinforce protection on surfaces sealed with LTP Ironwax Gloss, LTP Ironwax Satin and LTP Glaze Protector.



[Buy Floorshine >>>](#)

LTP WAXWASH 1 and 5 litre container

Gentle Neutral Cleaner – Interior and exterior use

A gentle cleaner with a trace of linseed oil especially formulated to clean without damaging the most delicate surfaces. Suitable for use on both sealed and unsealed, polished and unpolished surfaces including travertine, limestone, sandstone, slate, marble, porcelain, granite, terracotta, quarry tiles and flagstones. Has a fresh, clean fragrance. Ideal for use on surfaces protected with LTP Mattstone, LTP Colour Intensifier, LTP MPG Sealer, LTP Linseed Oil and LTP Clear or Antique Wax.



[Buy Waxwash >>>](#)

LTP STONECARE 250ml aerosol

Interior and exterior use

Easy to apply, low foaming maintenance cleaner which cleans without damaging even the most delicate surfaces. Suitable for polished and unpolished natural and artificial stone including limestone, granite, marble, travertine, slate, sandstone, quartz, terrazzo, basalt, concrete and all other types of masonry surface.



[Buy Stoneclean >>>](#)

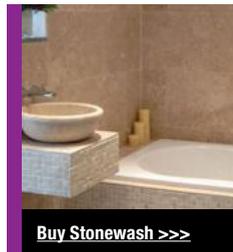
MAINTENANCE PRODUCTS



LTP STONEWASH 500ml spray

Maintenance Cleaner – Interior and exterior use

A gentle, neutral spray and wipe cleaner, especially formulated to clean without breaking down or removing protective seals. Has a fresh clean fragrance. Suitable for both sealed and unsealed surfaces. Ideal for surfaces that are protected with LTP Mattstone, LTP Colour Intensifier, LTP MPG Sealer and LTP Clear or Antique Wax. For use in kitchens and bathrooms.



[Buy Stonewash >>>](#)



LTP MULTICLEAN 500ml spray

Spray & Wipe Kitchen and Bathroom Surface Cleaner

LTP Multiclean's unique formula de-greases and de-scales at the same time. Removes fats, grease, soil, proteins, bacteria, limescale and prevents the formation of new limescale. Has a pine fresh fragrance. For use on glazed ceramics, glazed or unglazed porcelain, sanitary ware, chrome, glass laminate and stainless steel.



[Buy Multiclean >>>](#)

STONE CARE KITS

CLEAN, SEAL AND MAINTAIN



LTP STONE CARE KIT 3 x 250ml aerosols

Interior and exterior use

The kit contains three key products for the care and maintenance of all types of polished and unpolished natural and artificial stone including travertine, limestone, sandstone, slate, marble, granite, quartz, terrazzo, basalt, concrete and all other types of masonry surface:

[Buy Stone Care Kit >>>](#)

STONECLEAN – Intensive Cleaner

Fast acting foaming cleaner for polished and unpolished surfaces. Ideal for cleaning and renovating fireplaces and worktops. Removes dirt, soot, grime and build up of wax and aftercare product. Can also be used on laminate and acrylic worktops.

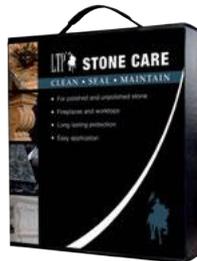


STONESEAL – Protective Sealer

A quick drying spray on impregnating sealer that forms a colourless barrier and helps to protect porous stone surfaces from water, dirt, oil, grease, soot and limescale. Makes treated surfaces easier to keep clean.

LTP STONECARE – Routine Maintenance

Easy to apply, low foaming maintenance cleaner which cleans without damaging even the most delicate surfaces. Easy to apply and does not require rinsing.



The information that follows is given to help you quickly and accurately select the required sealing and maintenance product or products for your surfaces.

Follow these three simple steps:

1. From the illustrations and annotations provided, identify your surface type.
2. Decide which sealing finish you require – page 11.
3. Read from the product guide on pages 12 and 13 the correct products for cleaning, sealing and maintaining your surface.
4. Use the coverage guide on page 14 to calculate how much product you will need to complete your project.

STEP ONE : Identify your surface type

QUICK TEST

A level teaspoon of water applied at room temperature will quickly show how absorbent your surface is. Gently apply the water to the surface of the tile and time how long it takes for the water to be absorbed. Absorption has been reached when no further water remains on the surface even if there is evidence of a water mark.

HIGH POROSITY – Water absorbed within 5 minutes – 3 to 4 coats of sealer normally required.

MEDIUM POROSITY – Water absorbed within 15 minutes – 2 to 3 coats of sealer normally required.

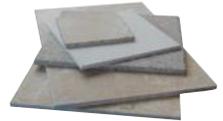
LOW POROSITY – Water absorbed within 1 hour or longer – 1 to 2 coats of sealer normally required.

NATURAL STONE

There are many varieties of natural stone and certainly too numerous to adequately cover in this literature. Most examples are porous, absorbent and need sealing to resist staining (limestone is particularly absorbent).

TRAVERTINE Quick test – up to 15 minutes

A brown, beige or grey dense and holey stone harder than limestone or marble. Sometimes filled with a resin to fill the open voids on its surface prior to honing.



LIMESTONE & FLAGSTONES Quick test – varies between 1 minute and 1 hour

New and old limestone and flagstones show great variation in porosity, (porosity sometimes even varies within a single tile). ‘Flags’ are generally large, thick, irregular and rectangular. Limestone tiles tend to be more modular and more refined in appearance. Colours range from beige, white, grey, brown and black. Limestone from Europe, India and the Far East is normally thinner and more regular in size. English Limestones such as Purbeck Stone, Hamstone, Bathstone, Stamford Stone, Lincolnshire Stone and Cotswold Limestone are normally thicker and in some cases vary in thickness from piece to piece.



BASALT Quick test – up to 15 minutes

Dark coloured, igneous volcanic rock. Basalt is fine grained and usually has a honed finish.



SANDSTONE Quick test – may vary between 1 minute and 1 hour

Normally has a rough riven textured surface. However some Indian Sandstone is sawn and honed, so are smooth on the surface. Although harder than limestone, it has a similar absorbency. Colour ranges from red, beige, brown, green to grey. Well known sandstones include Yorkstone, Fossil Stone, Raj Green and Rainbow.



TUMBLING & UNPOLISHED MARBLE Quick test – up to 15 minutes

Normally smaller in size ranging from small mosaic to 30 x 30cm tiles and tumbled to give a more rounded worn appearance. Colours range from red, green, brown, beige, black, white, yellow and grey. Smaller mosaic pieces are commonly used to create a decorative border between glazed ceramic tiles.



RIVEN OR HONED SLATE Quick test – up to 1 hour

Lower absorbency slate is a very dense compact material and tends to have a fairly smooth regular surface. Common examples include slates from Brazil, China, Wales and Portugal which normally have a natural riven surface, but are sometimes mechanically honed to make them smooth.

Higher absorbency slate is far less dense; a softer, friable and more absorbent material. The surface of higher absorbency slate tends to be more laminated and irregular. Common examples include slates from India and Cornwall. **Quick test – up to 15 minutes.**



POLISHED PORCELAIN Quick test – up to 2 hours

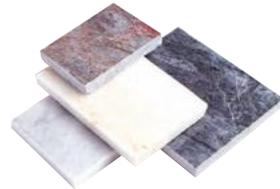
A very hard full bodied man made tile that is available in a variety of colours and is mechanically polished to create a highly polished surface. The polishing process in most cases opens up micro-pores on the surface making the tile susceptible to staining. It is advisable to establish the general absorbency before sealing. This will normally vary according to the origin of the tile and where it has been manufactured.



POLISHED MARBLE & LIMESTONE Quick test – up to 30 minutes

POLISHED GRANITE Quick test – up to 2 hours

This is normally very smooth and although mechanically polished it is susceptible to staining. Most polished stones react detrimentally to acid based substances such as lemon, vinegar or wine. This type of stone is found in a variety of colours and is particularly recognisable for its shiny appearance.



LOW POROSITY TERRACOTTA & QUARRY TILES INCLUDING VICTORIAN

Quick test – may vary between 15 minutes and 1 hour

Minimal absorbency, highly vitrified, machine made tiles which are either dust pressed or extruded. They have a resilient hard surface which is difficult to scratch. Available in a variety of colours which range from browns, blacks and reds to creams and blues. Quarry tiles should not be confused with 'Encaustic' tiles which are extremely absorbent.



Identify your surface type!

MEDIUM & HIGH POROSITY TERRACOTTA Quick test – up to 5 minutes*

Machine made terracotta is generally smooth in appearance with regular edges.

Handmade terracotta normally has a rougher texture which is sometimes pitted, may be friable, imprecise in shape with edges that are distorted or frayed. Terracotta will readily scratch and stain when unsealed.

***N.B.** Reclaimed and old terracotta which may appear similar to high porosity terracotta will sometimes not properly absorb sealers. This is due, in most cases, to accumulated matter such as natural waxes, grease and grime which have been worn in to the tile over a period of time. In which case wash well with LTP Grimex and leave to dry before carrying out a quick test to establish porosity.



ENCAUSTIC TILES Quick test – up to 5 minutes

Made from natural stone and strengthened with crushed marble, they are generally brightly coloured, plain or patterned tiles. The pigments, natural oxides, are applied whilst the clay mixture is still in a semi-liquid state and harden into the tile surface. To the untrained eye Encaustics may appear similar to quarry tiles but their variation in porosity is distinctive; unlike quarry tiles, liquids are quickly absorbed into unsealed Encaustic tiles and without protection will easily stain.



GLAZED CERAMIC & PORCELAIN Quick test – Non absorbent

Normally fully vitrified with no absorbency because of the glaze. Available in a variety of colours and in some cases manufactured to mimic the appearance of natural stone or terracotta, so should not be confused with a natural material. If in doubt do a quick test to establish your material type. Does not normally require sealing and is easy to maintain. For matt and textured glazes it is possible to coat the surface with LTP Glaze Protector which will give the surface the appearance of a 'just washed floor' and help with anti slip.



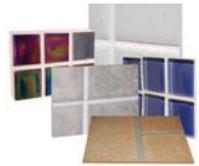
FULL BODIED UNGLAZED PORCELAIN Quick test – over 1 hour

A minimal absorbency machine made highly vitrified material with a resilient hard surface that is difficult to scratch. Available in a variety of colours and different textures. The absorbency will vary and normally depends upon the origin of the tile and how well it has been manufactured.



GROUTING Quick test – up to 5 minutes

Most grouting is water resistant and not water proof and so absorbs moisture. It is normally moisture carrying dirt particles that discolour grout. Sealing grout joints helps to prevent moisture penetration and prevent dirt particles from being carried into the grout. This means that when washing tiled surfaces dirt is washed away from the grout joint rather than into it.



TERRAZZO Quick test – up to 30 minutes

This like marble is extremely porous, readily stains and reacts detrimentally to acids. It is made from pulverised and chipped marble which are bound together and finished by polishing. It is distinguished from marble by its more crystalline and granular structure, but should still be sealed in the same manner as marble.



STEP TWO : Select your finish

Now that you have identified your surface material – decide which sealing finish you require.

1. NATURAL MATT FINISH – 500ml, 1 and 5 litre containers: LTP Mattstone, LTP Mattstone H2O and LTP Stoneseal are suitable for wall and floor surfaces and provides a natural matt finish with minimal change to surface character on travertine, quarry tiles, terracotta, slate, stone, unpolished marble, terrazzo and cement floors. Provides effective resistance to staining from coffee, wine and other domestic fluids. Maintain with LTP Waxwash on floors and LTP Stonewash or LTP Stonecare on walls. Can be used in wet areas. Suitable for interior and exterior use and on floors that have no damp proof course.

2. ENHANCED MATT FINISH – 500ml, 1 and 5 litre containers: LTP Colour Intensifier & Stainblock or LTP Stone Oil are suitable for wall and floor surfaces enhancing the natural colours, characteristics and appearance of travertine, quarry tiles, terracotta, brick, slate, flagstones and limestone providing an enhanced matt finish. LTP Colour Intensifier & Stainblock offers effective resistance to staining from coffee, wine and other domestic fluids. Performs well in wet areas including bathrooms and swimming pool surrounds. Maintain with LTP Waxwash on floors and LTP Stonewash or LTP Stonecare on walls. Suitable for interior and exterior use and on floors that have no damp proof course. **PLEASE NOTE:** LTP Colour Intensifier & Stainblock can form an eggshell finish when slightly over applied.

3. ANTIQUE AND CLEAR WAX FINISH – 2.5 and 5 litre containers: LTP Clear Wax is the traditional method for finishing the surface of natural stone, terracotta and quarry tiles. On low porosity floors the wax may be applied directly; whilst on more porous surfaces it should be used with an oil based impregnating sealer such as LTP Stone Oil or LTP Boiled Linseed Oil to enrich the colour or LTP Mattstone H2O, LTP Mattstone or LTP Colour Intensifier & Stainblock for a lighter finish. LTP Clear Wax has a natural, low gloss finish, which if maintained correctly, is highly resistant to many household stains.

LTP Antique Wax is an alternative to clear wax, this process involves the application of two products, LTP Stone Oil Antique and LTP Antique Wax. Correctly applied this combination will provide a mellow-toned traditional finish to the surface of natural stone, terracotta and quarry tiles. LTP Stone Oil Antique is applied first and when cured is buffed to the desired finish with LTP Antique Wax. On more absorbent stone and terracotta LTP Stone Oil Antique may be applied after a suitable impregnating sealer such as LTP Mattstone or LTP Boiled Linseed Oil. Maintain wax finished surfaces with LTP Waxwash for floors and LTP Stonewash for walls.

5. GLOSS FINISH – 1 and 5 litre containers: LTP Ironwax Gloss is a tough ionised acrylic gloss finish sealer which has been specially formulated to minimise maintenance of porous quarry tiles, terracotta, brick, slate, stone, terrazzo, unpolished marble and cement floors. LTP Ironwax Gloss may be used as a wax protector to strengthen the seal offered by non-silicone waxes. Maintain with LTP Floorshine. **N.B.** On more porous surfaces pre-seal with LTP Mattstone H2O. Do not use in wet areas such as walls in shower enclosures.

6. SATIN FINISH – 1 and 5 litre containers: LTP Ironwax Satin is a hard wearing ionised acrylic semi-gloss sealer, that provides an easy to apply self shine satin surface seal on porous quarry tiles, terracotta, brick, slate, stone, terrazzo, unpolished marble and cement floors. LTP Ironwax Satin may be used as a wax protector to strengthen the seal offered by non-silicone waxes. Maintain with LTP Floorshine. LTP Glaze protector is a hard wearing, film forming satin finish sealer for use on more vitrified surfaces; including low porosity quarry tiles, full bodied porcelain, glazed porcelain and glazed ceramic. Easy to apply this product will help to ease maintenance and will leave surfaces with that 'just washed look'. Wash treated surfaces routinely with LTP Floorshine to maintain the shine. **N.B.** On more porous surfaces pre-seal with LTP Mattstone H2O. Do not use in wet areas such as walls in shower enclosures.

7. POLISHED FINISH – 500ml, 1 and 5 litre containers: LTP MPG Sealer is a colourless impregnating sealer especially formulated for use on tiles that have already been mechanically polished to create a highly polished finish. Ideal for use on polished marble, polished porcelain, polished granite, polished limestone and polished slate. Suitable for both wall and floor surfaces. Apply sparingly. Buff to remove the excess within 20 minutes while the solution is still wet on the surface. Do not allow it to dry. The buffing action to remove excess also forces the nano-polymers into the micro pores of the tile filling the open pore. This product will strongly protect against water, oil, grease and dirt. Ideal for use on granite worktops. For polished surfaces other than polished porcelain LTP Mattstone H2O or LTP Stoneseal can be used. Maintain surfaces with LTP Waxwash for floors and LTP Stonewash or LTP Stonecare for walls and worktops. Suitable for interior and exterior use.



Choosing the right products!

STEP THREE: Select your products

Now that you have identified your surface type and have selected your finish – read off the product guide the correct products for cleaning, sealing and maintaining your surface

MATERIAL TYPE	CLEANING						SEALING			MAINTENANCE
<p>If you are unsure of your material please refer to the pictures in our product literature or call our customer helpline for further assistance on: +44 (0) 1823 666213</p>	COMMON SYMPTOMS						WHAT TYPE OF SEALER DO I REQUIRE?			<p>Using the correct maintenance cleaner will increase the life of the protective seal. Avoid using normal detergents or strong bleach cleaners on sealed surfaces as they will gradually remove the protective seal</p>
	Stubborn surface dirt and grime, layers of acrylic sealer, greasy films and dirty grouting	Cement and grout residues and mineral salt formations	Heavily contaminated surfaces, old layers of sealer and oxidised boiled linseed oil	Stubborn layers of polyurethane, silicone, epoxy grout residues and natural waxes	Spot stains from hot oil and other absorbed domestic spillages	Mould, moss and algae on grouting and silicone seals	All LTP Sealers are suitable for internal use. * Indicates a sealer that is also suitable for external use			
	LTP GrimeX & Stoneclean	LTP Grout Stain Remover	LTP Power Stripper	LTP Solvex	LTP Spot Stain Remover & Fullers Earth	LTP Mouldex	Type of finish	Primary seal	Secondary seal	Maintain routinely using
TRAVERTINE	✓	✗	✓	✓	✓	✓	Natural Matt	Mattstone H20 * Mattstone * Stoneseal *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Clear wax	Stone Oil	Clear Wax	Waxwash
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin	N/A	Floorshine
LIMESTONE & FLAGSTONES	✓	✗	✓	✓	✓	✓	Natural Matt	Mattstone H20 * Mattstone * Stoneseal *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Clear wax	Stone Oil	Clear Wax	Waxwash
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin	N/A	Floorshine
SANDSTONE	✓	✓	✓	✓	✓	✓	Natural Matt	Mattstone H20 * Mattstone * Stoneseal *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Clear wax	Stone Oil	Clear Wax	Waxwash
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin	N/A	Floorshine
TUMBLLED & UNPOLISHED MARBLE	✓	✗	✓	✓	✓	✓	Natural Matt	Mattstone H20 * Mattstone * Stoneseal *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin		Floorshine
BASALT	✓	✓	✓	✓	✓	✗	Natural Matt	Mattstone H20 *	N/A	Waxwash, Stonewash or Stonecare
RIVEN or HONED SLATE	✓	✓	✓	✓	✓	✓	Natural Matt	Mattstone H20 * Mattstone * Stoneseal *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin		Floorshine
POLISHED PORCELAIN	✓	✓	✓	✓	✓	✓	Polished	MPG Sealer *	Buff to a shine after 20-30 minutes	Waxwash or Stonewash
POLISHED GRANITE, MARBLE, LIMESTONE & TERRAZZO	✓	✗	✓	✓	✓	✓	Polished	Mattstone H20 * MPG Sealer *	Buff to a shine after 20-30 minutes	Waxwash, Stonewash or Stonecare
LOW POROSITY TERRACOTTA & QUARRY TILES INCLUDING VICTORIAN	✓	✓	✓	✓	✓	✗	Natural Matt	Mattstone H20 * Mattstone *	N/A	Waxwash, Stonewash or Stonecare
							Enhanced Matt	Colour Intensifier *		
							Antique wax	Stone Oil Antique	Antique Wax	
							Clear wax	Stone Oil	Clear Wax	Waxwash
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin	N/A	Floorshine
MEDIUM & HIGH POROSITY TERRACOTTA	✓	✓	✓	✓	✓	✗	Natural Matt	Mattstone *	N/A	Waxwash
							Enhanced Matt	Colour Intensifier *		
							Antique wax	Boiled Linseed Oil	Antique Wax	
							Clear wax		Clear Wax	Waxwash
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin	N/A	Floorshine
ENCAUSTICS	✓	✗	✓	✓	✓	✗	Natural Matt	Mattstone *	N/A	Waxwash
							Enhanced Matt	Colour Intensifier *		
							Gloss	Ironwax Gloss		
							Satin	Ironwax Satin		Floorshine
GLAZED CERAMIC & PORCELAIN	✓	✓	✓	✓	✗	✓	Satin	Glaze Protector	N/A	Floorshine
FULL BODIED UNGLAZED PORCELAIN & VITRIFIED QUARRY TILES	✓	✓	✓	✓	✓	✓	Natural Matt	Mattstone *	N/A	Waxwash or Stonewash
							Satin	Glaze Protector		Floorshine
GROUTING	✓	✓	✓	✓	✓	✓	Clear	Grout Protector or Grout & Tile Protector (aerosol)	N/A	Stonewash or Stonecare
CRACKLE GLAZE TILES	✓	✓	✓	✗	✓	✓	Clear	Crackle Glaze Protector	N/A	Stonewash or Stonecare



Coverage calculator

COVERAGE GUIDE SQ/M

LTP PRODUCT	SIZE	LEVEL OF CONTAMINATION		
		HIGH	MEDIUM	LOW
INTENSIVE CLEANERS				
LTP Grimex	1ltr	5-10m ²	20m ²	50m ²
LTP Stoneclean	250ml	2m ²	5m ²	10m ²
LTP Grout Stain Remover	1ltr	5-10m ²	15m ²	25m ²
LTP Power Stripper	1ltr	15m ²	30m ²	50m ²
LTP Solvex	1ltr	5m ²	10m ²	15m ²
LTP Mouldex	500ml	10m ²	15m ²	20m ²
LTP Spot Stain Remover and LTP Fullers Earth	500ml, 150g	1m ²	3m ²	5m ²

LTP PRODUCT	SIZE	LEVEL OF POROSITY		
		HIGH (3-4 coats)	MEDIUM (2-3 coats)	LOW (1-2 coats)
SURFACE SEALERS				
LTP Ironwax Gloss	1ltr	10m ²	15m ²	20m ²
LTP Ironwax Satin	1ltr	10m ²	15m ²	20m ²
LTP Antique Wax	1ltr	10m ²	10m ²	10m ²
LTP Clear Wax	1ltr	10m ²	10m ²	10m ²
IMPREGNATING SEALERS				
LTP Mattstone H20	1ltr	15m ²	20m ²	25m ²
LTP Mattstone	1ltr	10m ²	15m ²	20m ²
LTP Colour Intensifier & Stainblock	1ltr	10m ²	15m ²	20m ²
LTP MPG Sealer	1ltr	N/A	20m ²	30m ²
LTP Stone Oil Antique	1ltr	N/A	15m ²	20m ²
LTP Stone Oil	1ltr	10m ²	15m ²	20m ²
LTP Boiled Linseed Oil	1ltr	10m ²	15m ²	20m ²
LTP Stoneseal	250ml	5m ²	8m ²	10m ²
LTP Grout Protector (for walls and floors)	1ltr	Up to 1000 linear meters		
LTP Grout & Tile Protector	600ml	Up to 600 Linear metres or 5-25 sq.m of tile and grout		
LTP Crackle Glaze Protector	500ml	N/A	N/A	10m ²
MAINTENANCE PRODUCTS				
LTP Floorshine	1ltr	Approximately 40 washes on a 20m ² floor		
LTP Waxwash	1ltr	Approximately 40 washes on a 20m ² floor		
LTP Multiclean	500ml	N/A		
LTP Stonewash	500ml	N/A		
LTP Stonecare	250ml	N/A		

Sealer coverage information is based on application of a single coat.

QUICK TEST: A level teaspoon of water applied at room temperature will quickly show how absorbent your surface is.

High Porosity surfaces – water absorbed within 5 minutes – 3-4 coats normally required.

Medium Porosity surfaces – water absorbed within 15 minutes – 2-3 coats normally required.

Low Porosity surfaces – water absorbed within 1 hour or longer – 1-2 coats normally required.

Example: 30m² of medium porosity natural stone. Medium porosity coverage is 15m² per litre per coat.

(30 ÷ 15) x 3 coats = 6 litres required.

N.B. On existing surfaces this test should be done after intensive cleaning and once the surfaces are thoroughly dry.

CLEANING, RENOVATION AND MAINTENANCE

INTENSIVE CLEANING

It is important to keep floors scrupulously clean before and during fixing and sealing. LTP has four intensive cleaning products:

1. **LTP GROUT STAIN REMOVER** which cleans most lime-based stains, cement films, residual grout stain, plaster/dust and mineral salt stains.
2. **LTP GRIMEX** which cleans oil, grease, general dirt and grime, old wax layers, old acrylic seals, and rubber sole marks.
3. **LTP POWER STRIPPER** for intensive cleaning of heavily contaminated floors and removal of oxidised boiled linseed oil and wax layers.
4. **LTP SOLVEX** for stripping stubborn layers of wax, acrylic seal and polyurethane and silicone based coatings from the surface of tiles.
5. **LTP MOULDEX** removes and kills mould and mildew from grouting and other damp places.



RENOVATION

Dull or dirty floors can be cleaned using the following procedures:

1. **Floors sealed with LINSEED OIL/WAX**
 - a. Use LTP Solvex to remove the surface layer of wax and then wash with LTP Grimex.
 - b. Apply one coat of LTP Stone Oil, following instructions on the container.
 - c. Allow 24 hours for LTP Stone Oil to cure before finishing with LTP Wax.
2. **Floors sealed with LTP IRONWAX (SATIN or GLOSS) or LTP GLAZE PROTECTOR**
 - a. Remove surface seal with LTP Grimex or LTP Power Stripper.
 - b. Rinse well with water and allow to dry thoroughly (24 hours).
 - c. Re-seal using LTP Ironwax Satin, LTP Ironwax Gloss or LTP Glaze Protector.
3. **Floors sealed with LTP MATTSTONE, LTP MATTSTONE H2O, LTP COLOUR INTENSIFIER & STAINBLOCK or LTP MPG SEALER**
 - a. Wash floor thoroughly with LTP Grimex following the instructions on the container.
 - b. Rinse thoroughly with plenty of water and allow to dry for a minimum of 24 hours.
 - c. Re-apply the LTP Mattstone, LTP Mattstone H2O, LTP Colour Intensifier & Stainblock or LTP MPG Sealer following instructions on the container.



EVERYDAY MAINTENANCE

Floors and walls should be regularly swept and routinely washed with an appropriate maintenance product. LTP has four cleaners for every day use:

1. **LTP FLOORSHINE** which may be used on glazed ceramics, unsealed floors and floors sealed with LTP Ironwax Gloss, LTP Ironwax Satin, LTP Glaze Protector or similar acrylic sealing products. LTP Floorshine contains a small amount of acrylic which helps develop a surface 'shell' as the floor is washed.
2. **LTP WAXWASH** which may be used on unsealed floors, or floors sealed with linseed oil or wax and floors treated with LTP Mattstone H2O, LTP Colour Intensifier & Stainblock, LTP Mattstone and LTP MPG Sealer.
3. **LTP STONEWASH or STONECARE** is a spray cleaner which may be used on unsealed walls, wall tiles sealed with linseed oil/wax, LTP Colour Intensifier and Stainblock/LTP Mattstone, LTP Mattstone H2O and LTP MPG Sealer. Ideal for stone clad bathroom walls and stone worktops and fireplaces.
4. **LTP MULTICLEAN** is a spray cleaner which may be used on glazed ceramics, porcelain, sanitary ware, baths, showers, toilets, chrome, glass screens, laminate and stainless steel. Not suitable for use on surfaces that have been sealed. Avoid prolonged contact with acid sensitive surfaces.



STAIN REMOVAL

SURFACE BLEMISHES

Floor seals are not permanent impenetrable barriers to staining; fluid contaminants, left on the floor for more than 30 minutes, may produce minor discolouration. Such marks may be minimised by the following methods. In all cases, remove spillage as quickly as possible and wipe over floor with a damp cloth.

1. **Floors sealed with LTP LINSEED OIL/WAX** – after wiping up spillage work over affected area with a little wax and buff to a shine.
2. **Floors sealed with LTP IRONWAX GLOSS, LTP IRONWAX SATIN or LTP GLAZE PROTECTOR** – use a little diluted LTP Grimex on a cloth to remove spillage. Neutralise solution with water. When dry re-seal area with more LTP Ironwax Gloss, LTP Ironwax Satin or LTP Glaze Protector.
3. **Floors sealed with LTP MATTSTONE, LTP MATTSTONE H2O, LTP COLOUR INTENSIFIER & STAINBLOCK or LTP MPG SEALER** – use a little diluted LTP Grimex on a cloth to remove spillage. Neutralise solution with water. When dry re-seal area with more LTP Mattstone, LTP Colour Intensifier & Stainblock or LTP MPG Sealer.



OIL AND GREASE STAINS

1. **LTP FULLERS EARTH** – on recent spillages sponge the stain as much as possible with a clean cloth without rubbing, going from the outside to the middle of the stain. Powder the stain with LTP Fullers Earth. Leave for 30 minutes and delicately brush. Apply again if necessary. In all cases it may be necessary to re-seal surfaces that have been treated.
2. **LTP SPOT STAIN REMOVER** – for stubborn oil and grease marks pour directly onto the stain and then spread the solution out to the edges of the treated tile up to the grout joint. Leave to absorb for about 15 minutes. Powder the tile with LTP Fullers Earth. Wet the powder again with the LTP Spot Stain Remover and cover it once more with the LTP Fullers Earth. Leave for 24 hours. Brush away the powder and rinse well with a sponge and water. In all cases it may be necessary to re-seal surfaces that have been treated.



NOTES

1. On certain types of medium porosity terracotta, genuine turpentine is used as a primary seal to enhance colour, prior to use of LTP Boiled Linseed Oil.
2. Oil based sealers may darken the oxides in Silver Blue Slate.
3. When using LTP Mattstone or LTP Colour Intensifier & Stainblock on medium to high porosity terracotta we recommend the use of an appropriate surface seal

4. On more porous surfaces use LTP Mattstone H2O before finishing with LTP Ironwax Gloss or LTP Ironwax Satin.
5. Use LTP MPG Sealer to seal mechanically polished surfaces.

BRUSH CLEANING AFTER USE

LTP Mattstone H2O, LTP Ironwax Gloss or Satin rinse and LTP Glaze Protector rinse in water.

LTP Mattstone, LTP Colour Intensifier & Stainblock, LTP MPG Sealer, LTP Stone Oil, LTP Stone Oil Antique, Boiled Linseed Oil and Crackle Glaze Protector use white spirit.

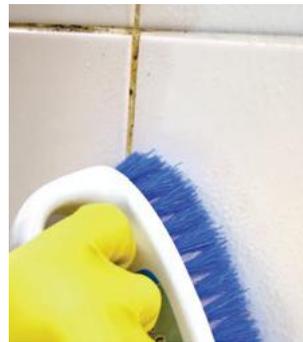


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STAIN REMOVAL (continued)

CLEANING GROUT

Most grouting is water resistant and not water proof so it absorbs moisture. When mopping dirt off the surface of tiles it is the moisture carrying dirt particles that absorb into the grout causing it to discolour. In wet areas such as showers or wet rooms it is possible to get a build up of soaps, moisture and sebum within grouting, which if not cleaned properly will remain within the grout and encourage mould spores and mildew to grow. To clean dirty grouting on floors between glazed ceramic, porcelain tiles use LTP Grimex. To remove mould and mildew from wall tiles use LTP Mouldex. We recommend sealing with LTP Grout Protector (for walls and floors) or LTP Grout & Tile Protector aerosol after cleaning.



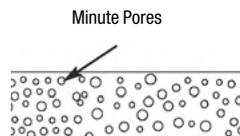
SEALING UNGLAZED TILES

SEALING: Most unglazed tiles require some form of sealing to resist staining and assist maintenance. Generally speaking, the more porous the tile the greater the required number of coats of sealant. It is always advisable, before general application, to test the chosen sealer on sample tiles to ensure that you are happy with the finish and fully understand the methods of use.

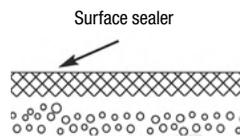
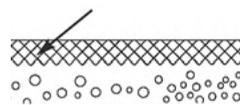
BASIC PRINCIPLES OF SEALING TILES

1. Unsealed, most unglazed tiles are absorbent to some degree or other. They contain thousands of tiny pores.
2. There are normally either one or two stages to sealing tiles; the first is that of 'Impregnation'. The pores of the tiles are saturated with a liquid which then hardens. This hardened liquid occupies all the spaces within the tiles thereby reducing the degree of absorbency. Some impregnating sealers are sufficient for tile protection on their own and do not require sealing with a 'surface seal'.
3. The second stage of sealing tiles involves the application of a 'surface' sealant. The surface seal acts as the primary seal, an additional barrier to staining. Like certain impregnating sealers, some surface sealers are sufficient for tile protection and do not require sealing with an 'Impregnator'.

DAMP: Before sealing, it is vital that both tiles and the substrate to which they are being attached are completely dry. Mineral salts within the tile or lime from the substrate, if activated by damp, appear as a white bloom on the surface of the tile. These unsightly salts will be prevented from escaping if the tiles have already been sealed. Damp may cause such problems at any stage during or after the laying, fixing and sealing of tiles.



Impregnating seal penetrates the top layer of the tile.





Caring for your surfaces

SEALING PORCELAIN TILES

GLAZED PORCELAIN: Can be treated with LTP Glaze Protector to help embellish and enhance the appearance.

UNGLAZED PORCELAIN: For a matt finish use LTP Mattstone and maintain with LTP Waxwash. For a satin finish use LTP Glaze Protector and maintain with LTP Floorshine.

POLISHED PORCELAIN: Use LTP MPG Sealer for sealing polished porcelain. Apply to the surface and leave for up to 20 minutes. While the solution is still wet on the surface buff off all excess and work sealer into the surface. Buffing is complete when no more sealer is visible on the surface. Maintain with LTP Waxwash.

OTHER INFORMATION

CONTAMINANTS: Before sealing it is most important that tiles are scrupulously clean. The appearance of the tile and the effectiveness of the sealer may be impaired if the seal is contaminated in any way.

SPOILING: When using impregnating sealers, such as boiled linseed oil, excess sealant should not be allowed to harden on the surface of the tile. Such excesses produce an unsightly tacky mess which sets to a hard shiny varnish. Hardened sealant is normally extremely difficult to remove! Care should be taken to avoid this situation when working with this type of sealer.

HARDENING: All sealers take a few days to fully cure, oxidise or harden and will not be properly effective during this time. It is advisable not to walk on a newly sealed floor for at least twenty four hours and to keep traffic as light as possible for the first week.

WEAR AND TEAR: Sealers are 'dressings' and should not be regarded as impenetrable, everlasting barriers. As the seal wears, the floor becomes less resistant and more susceptible to staining. Floor protection is therefore best assisted by routine maintenance with LTP products.

AFTER-CARE: From time to time your sealed floor will need complete renovation.

Signs to look out for are:

- a. The floor drying out and becoming absorbent again, indicating that the surface seal is wearing.
- b. Loss of shine and general dullness of finish.
- c. The floor beginning to stain and an accumulation of dirt and grime.

DELAMINATION OR CHIPPING: A certain amount of delamination or chipping may be expected from hard floors during or following installation. Where delamination or chipping occurs after installation affected areas should always be re-sealed.

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COMMON QUESTIONS AND ANSWERS

Q. I have applied MPG Sealer and my floor is smeary. What do I do?

A. This can happen if the sealer is over applied or not worked into the polished surface before it begins to dry. Apply a little more sealer and buff with an absorbent towel to remove the excess, if this does not work because the sealer has been left too long to dry, surfaces should be washed with a solution of LTP Grimex or LTP Power Stripper.

Q. Should I seal my stone before grouting? How much sealer do I need?

A. Yes. Porous stone surfaces should be fully sealed with an impregnating sealer such as LTP Mattstone, LTP Colour Intensifier, LTP Mattstone H2O or LTP MPG Sealer for polished surfaces. Sealer should be applied until the stone is fully saturated. See coverage guide on page 14 to help calculate how much sealer is required.

Q. How long after sealing can I grout the joints?

A. This depends upon the conditions in which the sealer is being applied. If applied at room temperature sealer should offer sufficient protection after 4 hours. 24 hours would normally ensure sufficient curing for maximum protection. Test sealed surfaces with a little water for resistance before proceeding.

Q. How do I remove grout smear from the surface of stone?

A. Use LTP Power Stripper. If grout has absorbed into the stone causing picture framing around the perimeter of the tile, it cannot be removed. Stronger acid based residual grout removers should not be used on Limestone or Marble.

Q. Can I seal my stone in a wet area such as shower enclosure or swimming pool surround?

A. Yes. Use LTP Colour Intensifier impregnating sealer. This product will protect against water absorption and will perform well in a wet environment. After some time the stone may begin to show signs of water absorption. Top up the protection by spraying a little LTP Grout and Tile Protector to the surface of the stone.

Q. Can LTP Ironwax Satin/Gloss or LTP Glaze protector be used outside or in a wet area?

A. These products are film forming, so will not allow surfaces to breath, therefore they are not suitable for use in wet areas or outside. Rising or penetrating moisture can get trapped between the seal and the surface of the stone, causing the seal to separate from the surface.

Q. After using a solvent or water based impregnating sealer can I then use LTP Ironwax Gloss/Satin to finish the surface?

A. Yes. However surfaces should be washed with a dilute solution of LTP Grimex and left to dry before application. This will help to prevent the impregnating sealer from repelling the film forming sealer and ensure good adhesion.

Q. My black limestone laid outside has white marks on it. Why has this happened? Is it the sealer?

A. The lime in limestone and lime from mortars used to fix the stone can be affected by moisture. This moisture dries out to leave mineral salt deposits on the surface. Sealers used to protect the stone are breathable and allow microscopic transition of moisture, so therefore will not always prevent staining from salts or the effects of acid rain. Wash with a mild solution of LTP Grout Stain Remover to disperse the minerals. Leave to dry and seal stone with LTP Colour Intensifier or LTP Stone Oil.

Q. Can I use my normal floor cleaning products to clean my sealed surfaces?

A. Not really, repeated use will shorten the effectiveness of the seal. Using the right cleaner helps reinforce protection and prolong the life of the seal. Surfaces sealed with an impregnating sealer or finished with a natural wax should be cleaned with LTP Waxwash. All other surfaces including those sealed with film forming sealers should be washed with LTP Floorshine.

Visit our **BLOG** for more comprehensive answers to these and other stone and tile care problems – www.ltpuktechnical.wordpress.com

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Sealing and maintenance solutions for all types of stone, porcelain, quarry, terracotta and glazed ceramic

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