



Stone Coatings



695 Universal STW / 697 (Concentrate)

Universal Coating for absorbent surfaces (Stone, Textile & Wood)

KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
+5 to +50°C	5 - 40 m ² (depending on the structure of the substrate)	Up to 2 years	Up to 24 months, depending on the variant	+5 to +25°C	12 hours

Universal coatings are „easy to apply“ coatings which offer the same “very good” performance characteristics on all appropriate substrates, however, for the highest level of performance we suggest the use of our „substrate specific“ coatings. The universal coatings are perfect for consumers, as they are DIY variants and highly effective.

PROPERTIES

- Aqueous, room temperature curing impregnation for textiles (PES, Cotton, PA and mixtures), stone & wood
- Exceptionally versatile, no odour.
- Can be applied to almost all absorbent surfaces
- Excellent performance
- Hydrophobic and oleophobic
- generates a nano scale film on the surface of the fabric fibres and filaments
- Reduces significantly the penetration of water, soot, coffee, cola, ketchup, red wine and other staining agents into the fibres
- The penetration of cooking fat, fuel, waste oil and dry soiling agents into the structure of the fibre is reduced and as a result many soiling agents can be easily removed
- Includes organo functionalized silanes
- Water-based
- Optimised for highly absorbent mineral surfaces
- Reduces adhesion of micro-organisms
- Excellent acid and alkaline resistance (approximately 2-12 pH in diluted form)
- Coverage rate per litre: 4 - 40 m² (depending on the structure of the substrate), heavy carpets requires the application of more liquid than fine silk in order to effect a coating
- Durability of the coating: Up to 2 years in normal use e.g. domestic carpet with high footfall
- Offers contact protection for leather and fabrics. Soiling agents should be removed within 2 to 3 minutes to prevent staining
- Breathable (not suitable for protecting marble against acidic vapour!)
- Nano particle free
- No DG / VOC free
- Layer thickness approx. 20 - 200 nm
- Inorganic

ATTRIBUTES

Attributes	695/697
Water-based	Yes
Application	Very easy
Room curing	12 hours
Fluoriated agent content	PFOA and PFC free (below the declarable level)
Shelf Life of the Liquid	24 months
Concentrate	1:9 (for stone) -1:14 (for textile)
Note	Don't use on white, low quality textiles

PACKAGING & SHIPPING

Attributes	695	697
1 000 ml bottle	695-1	697-1
200 litre barrel	695-200	697-200
1 000 litre IBC	695-1 000	697-1 000
HS Code	3910 0000, no DG	3910 0000, no DG



further information



Video how to mix the concentrate

7620 Penetrating Stain Protector

KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
+5 to +30°C	8 - 50 m ² , depending on the absorbency of the stone	10 - 20 years or decades, depending on the nature of the stone	Plastic bottles: 5 - 10 years Alloy bottle: Unlimited	+5 to +30°C	48 hours

This coating is designed to penetrate deep into the structure of the stone. After it has become established in the stone it provides strong hydrophobic and oleophobic protection. Specifically developed for natural stone and cementitious surfaces. This coating will remain highly effective for approximately 10-20 years. (Top up coatings for areas subjected to high abrasion or repeated cleaning, can be completed in minutes) This coating can be used on floors and on work surfaces including hybrid stone. As the coating becomes enmeshed within the surface structure of the stone it also provides excellent anti-weathering characteristics which significantly impede degradation and water ingress. It should not be applied to wet or moist stone. The coating provides very good resistance to staining but it is not permanently resistant against staining from liquids such as lemon juice, red wine, olive oil etc. We recommend our "Permanent Protector" 704 or Anti-graffiti coatings for protection against such staining. In high abrasion areas such as public squares, promenades etc. benefit from a light top up coating each year in order to maintain very good stain resistance.

PROPERTIES

- Contains solvent (not water), no formation of sticky Silicon films
- Suitable for internal and external usage, it performs exceptionally well on smooth or rough materials.
- Can be applied to large areas by spraying
- Time saving one step application - no residue after application
- Permeates up to 25 mm deep (depending on the stone structure)
- Highly durable, offering protection for 10-20 years or decades, depending on the nature of the stone and the application process utilised
- The coverage rate varies depending on the absorbency of the stone, approx. 8-14 m² per l for highly absorbent stone to approx. 20-50 m² for less absorbent stone, such as granite
- No negative impact on the consistency of the stone
- Enriches stone colours
- Coated surfaces remain breathable
- Strong oleophobicity and associated stain resistance
- Resistant against frost, UV light (California Test - 24,000 hours or 5 years of sunshine), salt attack (e.g. chlorides), staining, higher pH levels found in new masonry and pointing, water ingress, soiling, pollution, vegetation and extremely resistant to abrasion
- Water/dirt-repellent, the coating reduces the amount of moisture on the surface & therefore minimises the growth of mould, moss & algae as well as discoloration due to air pollution
- Reduces significantly the uptake of water and soluble salts (e.g. chlorides)
- Helps avoid unsightly dark water streaks
- Easy to clean effect, treated surfaces remain cleaner for longer
- Considerably reduces the amount of maintenance work required on stone buildings and it provides a cosmetically stable appearance and mechanically stable structure for many years

- Soiling is easily removed with water and other agents such as BIOSATIVA®, our award winning Bio Cleaner
- Not affected by chlorine or salt water, making it ideal for pool areas while ensuring that after coating, the surface remains unchanged
- Not affected by steam diffusion through the treated materials and has the top rating in Europe for active gas permeability e.g., being able to "breathe" so there is no build-up of subsurface moisture (EN ISO 7783-2, Classification I, Sp<0.14m)
- Thermal efficiency of walls is improved as stone sealer prevents water ingress
- Can be used as part of a flood protection system for a building
- Highly effective as a waterproofing membrane
- Contains aroma free Naphtha, therefore oily liquids have to be removed from the surfaces within minutes after soiling. The coating is not permanently resistant against staining from liquids such as lemon juice, red wine, olive oil etc. We recommend our "Permanent Protector" or Anti graffiti coatings for protection against such staining.
- Anorganic silan-siloxan mixture
- Mostly inorganic
- Certain highly absorbent concrete may require 4m² per litre.

APPROXIMATE COVERAGE RATES PER M²

- Concrete (excluding hybrid concretes with significant levels (more than 1%) of added acrylic compounds or other similar plasticising agents), approx. 10 - 30 m² / litre, depending on the density of the concrete). Testing above these ratios is advised.
- Tiles, unglazed/porous (approx. 20 - 40 m² / litre)
- Roofing tiles (approx. 15 - 25 m² / litre)
- Brick/masonry (approx. 20 - 30 m² / litre)
- Limestone (approx. 15 - 25 m² / litre)
- Sandstone (approx. 8 - 15 m² / litre)
- Mineral plaster (approx. 15 - 30 m² / litre)
- Marble & polished marble (approx. 30 - 50 m² / litre)
- Granite - polished granite (approx. 40 - 70 m² / litre)
- Natural stone (approx. 10 - 30 m² / litre)
- Slate (approx. 15 - 30 m² / litre), slate becomes slightly darker
- After application as oxidation and abrasion is reduced. Coated slate retains an "as good as new appearance" for a prolonged period)

No concentrates available

PACKAGING & SHIPPING

Art. No.	Bottle / Canister
7620-1	1 000 ml bottle
7620-200	200 litre barrel
7620-1000	1 000 litre IBC

HS Code: 3209 9000, no DG

7622 Eco-StoneTopographical Hydrophobic Protection

8637 High performance protection for Monuments

Water based protection for stone and concrete

KEY FEATURES

Art. No.	Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing Time
7622	+5 to +30°C	10 - 20 m ² , depending on the absorbency of the stone	1 - 2 years	1 year	Max. 20°C	48 hours (fully cured)
8637	+5 to +30°C	10 - 20 m ² , depending on the absorbency of the stone	Up to 10 years	1 year	Max. 20°C	48 hours (fully cured)

High-performance topographical coatings for stone and high-quality concrete products, such as wet room walls, monuments, concrete seating in public areas, stone foyer areas etc.. Reduces the effects of general surface contamination from water, food stuffs and oils. These coatings are undetectable and in most instances don't enrich the colour of the stone. These coatings are designed specifically for use on stone and are more durable than the 695 Universal coating.

PROPERTIES

Both coatings are created from the same core technology. The 8637 provides excellent hydrophobicity, oleophobicity, and associated stain protection. The 7622 coating is recommended where hydrophobic protection is required. It is not recommended for areas which are subjected to heavy contamination from oil, food product residues or graffiti. Both coatings are highly durable and withstand weathering.

- Water based high-performance agent
- Long term protection due to chemical surface bonding
- Anti-adhesion properties
- Highly oil-, water- and dirt-repellent
- Alkali-resistant up to approximately pH value 10-11*
- Reduces lime efflorescence
- Protection against re-soiling, algae and moss
- Allows vapour diffusion
- Fast curing resulting in a tack-free surface
- Highly UV-resistant
- Slightly acidic adjusted (pH-value approx. 4, the max. acidic pH-value for contact substances is about *3-4)
- Applicable by brush, foam roller, micro-fibre cloth or spray application
- Spraying with the CCM Low Energy Spray System or an airless spray (at < 4 bar) is possible
- Density: Approx. 1,0 g/cm³
- Odour: Low odour
- pH-value: approx. 5
- Ready to use liquid which creates an undetectable layer (The coating is normally undetectable but on certain stones e.g. black slate "colour enrichment" can occur. Colour enrichment is often a desirable outcome but not all end users seek colour enrichment. The 8637 variant provides greater colour enrichment.)

* Please note that the max. pH-values of contact substances may vary depending to the stability, cleanliness and the inherent pH-values of the substrate.

CHARACTERISTICS

Besides these product features both coatings differentiate as follows:

Quality	7622	8637
Easier Removal of Graffiti	✓	✓ ✓ ✓
High Density Protective Layer	✓	✓ ✓ ✓
Durability of the Coating	1 - 2 years	Up to 10 years
Coating Walls of Buildings + Statues	✓	✓ ✓ ✓

PACKAGING & SHIPPING

Art. No.	Art. No.	Bottle / Canister
7622-1	8637-1	1 000 ml bottle
7622-200	8637-200	200 litre barrel
7622-1000	8637-1000	1 000 litre IBC container

HS Code: 3910 0000, no DG

No concentrates available

704 Multi Stone - Stone / Concrete / Mineral Surfaces Coating

KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature
+5 to +40°C	20 - 100 m ²	5 years +	12 months	+5 to +25°C

The 704 Multi Stone is a highly versatile, easy to apply, heat resistant, SiO₂ based coating which offers massive durability linked with strong graffiti and stain resistance. It can be applied to all stone surfaces either in full strength or in diluted format, in 1, 2 or 3 coats by roller, brush or spray, depending on the level of protection required. The level of gloss will depend on the nature of the substrate and the level of dilution. 704 Multi Stone protects the substrate completely against moisture ingress.

PROPERTIES

- Topographical coating
- Super durable
- Solvent based
- Easy-to-clean effect
- industrial coating against Lemon Juice, Red Wine and Hot Engine Oil
- 100% solid clear coat formulation
- Highly resistant to staining from oil, wine, lemon juice
- Micron scale coating
- Can be supplied as a coloured variant (every colour) from MOQ 1 000 litres
- Ready-to-use liquid, no concentrate available
- Can be layered
- The penetration of water, soot, coffee, cola, ketchup, red wine etc. is reduced
- The penetration of grill fat, fuel and waste oil and dry soil into the surface and can be very easily removed
- The curing process is at room temperature and it leads to touch dry surface in a few minutes
- Not soluble in water
- Can be applied by spray, brush, roller and dip or flow (not a „wipe on buff off“-coating)
- Resistant to heat and is non-flammable when cured. On stone is still active after 1000°C.
- Pre-warming the surface prior to coating enhances bonding
- Curing time: Dust dry after a few minutes and stackable, fully bonded after 24 hours
- Withstands 1 million wiping actions with a micro-fibre tissue
- Non-diluted coating offers maximum performance
- Layer thickness: Approx. 10 to 100 µm depending on dilution
- Inorganic
- Dilutable with a) Ethanol, b) PMA, c) IPA

STONES / CONCRETE

- Bonds exceptionally well to rough stones and concrete for optimal bonding a relatively rough surface texture is required. (Not suitable for polished surfaces). Abrade polished stones with a 60 to 80 grit abrasive prior to application (the coating will self level to create a smooth surface)
- Slightly breathable. Great performance against oil, water and domestic cleaning agents. Protects against red wine and lemon juice on marble when coated with a full layer. If a diluted layer is applied a slight blemish can occur from red wine after some hours
- Provides a glossy appearance, but wiping with a microfibre just after application, or wiping with a very fine abrasive after curing can create a matt appearance.
- Excellent resistance to staining on all surfaces. Anti-graffiti. On highly porous surfaces eg. non polished cement the first, non diluted, coat will create an enriched appearance but not a shiny appearance. A second coat will create a shiny appearance. Second coats should be applied before the previous coat has dried, normally in a period 20-30 minutes after application of the previous coat. The coating can be applied as a diluted or primer coating (approximately 50% IPA) if the target is only hydrophobicity on walls etc.. In all instances the 704 coating enriches the appearance of the stone.

PACKAGING & SHIPPING

Art. No.	Bottle / Canister
704-1	1 000 ml
704-5	5 000 ml
704-200	200 litre barrel
704-1000	1 000 litre IBC

HS Code 3208 9019, DG



7641 Q² Marble PRO Marble Protection System

KEY FEATURES

Application Temperature	Coverage Rate per Litre	Durability of the Coating	Shelf Life of the Liquid	Storage Temperature	Curing time
+15 to +25°C	50 - 80 m ²	Up to 10 years	24 months, 6-12 months after opening	+5 to +25°C	7 days at room temperature

7641 Q² Marble PRO is ideal for use on any marble surface. The coated surface becomes glossy and very easy to clean. Coated marble with 706 Q² Marble PRO will resist staining from wine and lemon juice for over 12 hours.

PROPERTIES

- Excellent shine and durability
- Long-lasting “easy-to-clean” characteristics
- Enriches the colours of the target marble/ stone surface
- Anti-stain characteristics
- Suitable for interior and exterior application
- Good UV stability and protection.
- Extremely resistant to mechanical and environmental degradation.
- Resistant against domestic grade acid and alkaline degradation, as well as organic solvents.
- Heat tolerant, ambient temperature 350°C, point temperature 220°C
- Layer thickness: Approx. 20-25 microns
- Two component coating

PACKAGING & SHIPPING

Art. No.	Bottle / Canister
7641-50	50 g
7641-100	100 g
7641-1000	1 000 g
7641-5000	5 000 g

HS Code: 3208 9091, DG



APPLICATION

CONDITIONS

- Working temperature (surrounding and surface) must be above 5°C
- Best results are obtained in a range between 15°C and 25°C
- No application in direct sunlight
- The surface must be clean, dry, grease-free and free from silicones, wax- or polish residues
- In most instances application will be conducted after the abrasion of the target surface. Ensure that all dust particles have been removed from the surface and local areas prior to spray application.

COMPATIBILITY

- Corroded areas e.g. tap bases or metal lighting or inlays within the marble, must be thoroughly cleaned and all corrosion removed before coating.

PREPARATION

- Use undiluted
- Follow the mixing ratio instruction very precisely
- Add the hardener to the base liquid, shake or stir the solution and wait approximately 10 minutes
- Before working. Allow any “stirring bubbles” to dissipate before application
- Close the container of the hardener immediately. The hardener is very sensitive to humidity
- Maximum pot life after initial mixing is 4 hours.

APPLICATION

- Use the CCM Low Pressure Spray System for spray application. Spray application provides the highest quality finish.
- Roller application is possible but not recommended for surfaces which have to attain the high-quality appearance of kitchen and bathroom surfaces.
- If rollers are used it is recommended that a high-quality small pore roller for gloss paint and varnishes is used. Ovoid over application as this may create “roller- lines”. The target layer should be 25 microns.
- It is important to note that there is a degree of self-levelling after application.
- Light abrasion with a suitable abrasive (2000 grade) will create a matt surface.
- Re application / top up coating is straight forward.



7626 Easy Clean Graffiti Protection

A one pack single coat permanent non-sacrificial coating giving excellent protection against fly poster and graffiti attack. The product allows easy repeated removal of graffiti by using water/detergent. NOT a temporary or sacrificial, semipermanent graffiti protection.

PROPERTIES

- Transparent
- Permanent System (functional for up to 20 years and at least 20 times graffiti removal cycles)
- Graffiti is removable, in most instances
- With cold water and without chemicals
- Easy to re-coat in case of damage

7626 Graffiti Protection is ideally suited for locations which encounter regular graffiti events. It offers enormous flexibility in terms of application. It can be applied to almost all surfaces. The layer itself is also flexible and this characteristic is the reason why graffiti is unable to bond effectively, thus creating a world leading, vandal resistant finish.

It is completely resistant to ALL paints, permanent markers and the majority of acids. Simply wash with water and graffiti disappears and posters just slide off, providing permanent protection against graffiti attack – without ghosting residue.

7626 Graffiti Protection is ideal for (without primer) the following applications:

- Aluminium siding
- Concrete
- Fibreglass
- Glass*
- Masonry (includes brick, marble, stone, tile, granite and concrete)
- Metal*
- Steel
- Street Signs
- Stucco
- Utility Boxes
- Vinyl Siding
- Wood
- Plastic*

**Bonding to polished and smooth surfaces is not as profound as bonding to roughened or porous surfaces.*

Not applicable to plexi glass®

Single Component System – very strong bonding

One coat in most cases is sufficient (some highly porous surfaces may require a non-darkening primer coating or 2 coats of 7626 Graffiti Protection which can be applied within 30 minutes in hot environments and 3-4 hours below 20°C).

Open the can and roll it on. No mixing and no messing means less labour cost. In most instances the coloured variants can be used to „paint over“ existing graffiti. Also usable to protect „good graffiti“ (graffiti art).

It does not bond strongly to smooth surfaces such as stainless steel.

Tough resilient finish

Unlike most anti-graffiti systems, 7626 Graffiti Protection cures to an easy clean layer – with just one coat. The surface can be cleaned without using any graffiti remover. It is just enough to use a high pressure washer (max. 80 bar) or a brush. The surface offers a long protection lifetime and cleaning cycles over several years.

Rapid Curing

It's easy to apply, so it's not time-consuming, it means low labour costs and the coating is functional within hours.

Prolonged Protection – Zero Ghosting

Graffiti can normally be removed quickly and easily using just water. In most instances graffiti removal liquids are not necessary. It won't show any ghosting.

There is no need for reapplication after the graffiti has been removed. The clear finish does not yellow over time.

Clear and coloured

Available in a clear finish and in all RAL colours, MOQ 100L for coloured variants.

Long Term Protection

PACKAGING & SHIPPING

No „Dangerous Goods“ shipping fees

HS Code: 3910 0000, no DG



7626 Easy Clean Graffiti Protection

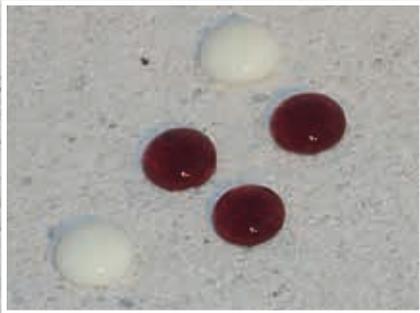
TECHNICAL SUMMARY

Quality	Description
Colour	Clear or pigmented liquid
Dilutable	No
Application	Application with brush roller or airless spray, (can't be applied with a conventional hvlp spray) Airless: - 16 thousand size tip or higher - cleaning: Nappy (white spirit)
Breathable	Yes
Urine-resistant	Yes
Paintable	Only with this pigmented Graffiti Protection 7626, not with standard paints
Volume Solids	78% matt; 78% gloss; 48% pigmented
Recommended Film Thickness	Depending on substrate and porosity, normally between 50-80 microns DFT
Coverage Rate	6 to 8 square metres / litre
Drying Time	Touch dry 3 / 4 hours; full cure 24 hours. Re-coating (if required) time 3 to 4 hours
Brushwash	Disposal
Weight Per Litre	0.90-1.02
Flash Point	Above 64°C
V.O.C.	50 grams per litre
Finish	Gloss - semi matt
Application Temperature	-5°C / +60°C
Storage Temperature	+5-+25°C, out of direct sunlight
Shelf Life	1 Year
High Pressure Cleaner	Max. 80 bar at 30-40 cm distance (flat jet nozzle, NOT dirt milling machine or point jet nozzle, apply the nozzle from the outer edge of the graffiti to be removed)
Surface Preparation	All surfaces must be clean and dry, remove any soiling by power wash etc. Any soiling/graffiti apparent on painted surfaces e.g. masonry/rendered walls should be re-painted with good quality masonry exterior paint, prior to application. Non-darkening primer should be considered for application prior to top coat on all sandstone/brick surfaces.
Bundle	5 litre canister • 20 litre canister
Art. No.	7626-5, 7626-20



Essential Characteristics	Performance	Harmonised Technical Specification
Water Vapour Permeability	Class V2	EN ISO 7783-2
CO ₂ Permeability	>S0m	EN ISO 1062-6
Fire Rating	Class 1	BS 476 Part 7
Fire Rating	Class 0	BS 476 Part 6

	695	7620	7622	8637	704	7641	7626
Application	spray, brush, roller	spray, brush, roller	spray, brush, roller	spray, brush, roller	spray, brush, roller	spray, brush, roller	brush, roller, convention or airless spray
Application Temperature	<5°C - 50°C	<-10°C - 70°C	<5°C - 30°C	<5°C - 30°C	<5°C - 40°C	<15°C - 25°C	<-5°C - +60°C
m² per liter	5 - 40	8 - 50	10 - 20	10 - 20	20 - 100	50 - 80	8 - 10
Durability	up to 2 years	10 - 20 years	up to three years	up to 10 years	5 years +	up to 10 years	up to 20 years
Curing Time	12 hours	3-6 hours at 20°C	12 hours	12 hours	24 hours	7 days at room temperature	touch dry 3-4 hours, full cure 24 hours
... based	water	solvent	water	water	solvent	solvent	solvent
Available as concentrate	yes, 1:9-1:14 (art. no. 697)	no	no	no	dilutable up to 1:1 with Ethanol or 1-Methoxy-2-Propanol	no	no
Breathable	yes	yes	yes	yes	no	no	yes
Visible	No on most surfaces	might be slightly darker	no on most surfaces	no on most surfaces	yes, glossy	yes, glossy	yes, clearly (glossy)
Topographical / penetrative	Topographical	penetrative, extreme abrasion-resistant	topographical	topographical	topographical	topographical	topographical, very strong bonding
Oil resistant?	yes	yes	no	yes	yes	yes	yes
Frost resistant?	yes	yes	yes	yes	yes	yes	yes
Available in RAL colors?	no	no	no	no	yes, from 1.000 liter	no	Yes, from 100 liter
Dangerous goods?	no	no	no	no	yes	no	no
Application recommendation	concrete, plaster, natural stone (granite, slate, basalt, sandstone)	concrete, tiles (unglazed), roofing tiles, brick/masonry, limestone, sandstone, mineral plaster, natural stone, façade, slate	wet room walls, concrete seating in public areas, stone foyer areas	for monuments, Statues, high value stone art works, paving-stone systems and terrace tiles	concrete, plaster, natural stone (granite, slate, basalt, sandstone, limestone), roof tiles, clinker	concrete, plaster, natural stone (granite, slate, basalt, sandstone)	Graffiti Protection for at least 20 times, for commercial locations, for aluminium siding, (fibre) glass, masonry, metal, street signs, stucco, utility boxes, vinyl siding, wood



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