

WetEx is a water-based performance repellent/sealer/waterproofing agent formulated specifically to protect, preserve and restore porous and semi-porous materials by making them waterproof and protecting them from a capillary rise of moisture.

WetEx provides an integrated, highly durable, long-life, natural looking finish.

WetEx penetrates to a depth of up to 20 mm depending on substrate creating a powerful chemical "cross-linking" multi molecular layer that forms an active water repellent barrier protecting the surface from within. This is in contrast to existing products which are basically adhesives that weaken over time.

WetEx amalgamates with the "host" material and the resulting coating can only be effected by mechanical destruction of the treated material.

Appearance:	Slightly turbid, colorless clear liquid
Content:	Silicones /Nano-particles >6.8%
Specific Gravity:	1.0 g/cm ³
pH value:	6.5-9
Appearance:	Clear, transparent, non-tacky when dry
Ageing Resistance:	Excellent
Light Resistance:	Excellent

Specifications:

- Effective life span: up to 5-8 years or up to mechanical destruction of background layer;
- **WetEx** is environmentally friendly, chemically neutral, contains no toxic compounds and/or heavy metals;
- hydrophobic film is non-flammable, resistant to diluted acids and alkalis, UV radiation and withstands temperatures from -60°C to +200°C.

Usage:

- concrete, foam concrete, paving slabs;
- marble, masonry;
- road surfaces;
- brick (lime-sand stone , ceramics, shell rock, sandstone, natural and artificial stone);
- plaster, roofing slate, facade plaster, grout and other cementitious coatings;
- porous mineral surfaces;
- wood; (depending on type)

TDS

- metal;
- waterproofing of basalt and other fibers;

Properties:

- resistant to UV radiation;
- heat/frost resistant;
- corrosion proof;
- reduces soiling;
- heat conductivity (reduces heat transmission in/out);
- dust barrier (e.g. concrete floors are easier to clean after treatment);
- protects against aggressive environments, fungus, efflorescence;
- preserves the "breathing" of materials - (gas and water vapor permeability).

Materials protected with **WetEx** (concrete, brick, stone, etc.) can be successfully painted over with any oil or water-based paints. Any paint will be longer lasting when applied to a surface pretreated with **WetEx**.

Benefits:

- creates a slightly semi-gloss finish on certain surfaces when buffed;
- can provide a "wet stone" effect, aligning and strengthening the colour of the treated surface, at the same time covering minor imperfections in the finishing;
- environmentally friendly and odourless;
- non-toxic, non-corrosive and non-flammable;
- high resistance to both oil and water borne contaminants;
- maintains the natural look and slip resistance of the stone or tile;
- very easy to apply;
- allows vapor transmission;
- reduces mould and mildew build up;
- perfect for internal and external use;
- reduces cleaning time;
- **a wet brick will lose twice as much energy as a dry brick. Similar losses are measured with most concrete and render walls that are not treated properly.**

Application:

Surfaces to be treated should be dry, clean and free of dust, chalk, dirt, wax, grease, oil, smoke stains and any contaminants that will inhibit the application of **WetEx**. Heavily soiled areas should be washed with a cleaner such as sugar soap, used as directed, and ensuring that all residues are removed. Apply **WetEx** at temperatures +5°C to + 35°C with humidity not exceeding 80%. **WetEx** is not a waterproofing but a repellent!

- **shake well before use;**
- **WetEx** should not be used in standing water or hydrostatic water pressure.
- **WetEx** can be applied by brush, roller or spray (preferred Wagner sprayer) (absorption stopped when stains appear on the surface);
- once stains appear clean off the excess before they dry.
- avoid applying in windy conditions;
- when treating fine-pored materials it is recommended to give time to bond before reapplying **WetEx**;
- **always** test on a small trial area to gauge application effectiveness and satisfaction with the results. Reapply if needed before **WetEx** is dry (wet2wet) to guarantee greater bonding;
- "pearling-off" beading effect can be seen on the treated surface after only 30-45 minutes.
- complete drying will take around 1-3 days depending on substrate;
- Store away from direct sunlight and heat (35°C +).
- Do not use high pH based alkali cleaners /bleach to clean once sealed.

TDS

Coverage: Depending on the porosity of the treated surfaces 50 - 200 ml/m²- 5-20 m²/litre.

Cleaning of dried overspray and residue can be done with a strong pH 10-13 household cleaner, Crème Cleanse (oven top cleaner), Bi Carb Soda or specified silicon cleaner. Clean overspray before it dries with a sponge/nylon scouring pad or absorbent cloth. When cleaned overspray wash cleaned surface with clear water.

Safety: Use rubber gloves, respirator, protective clothing etc. if needed. **WetEx** is unclassified, non-toxic and non-hazardous according to Hazchem.

Safety: In case of eye contact wash with water; if irritation continues rinse with plenty of water and seek medical advice.

Swallowing: Drink several portions of water. Do not induce vomiting. Seek medical advice.



Shelf life: Up to 3 years when tightly sealed container is stored in a cool, well ventilated place.

WetEx is available in 750ml spray bottles, 1 litre units and 10 ltr Jcans.

fd warrants that the products manufactured or supplied by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to **fd** shall be limited to replacement of the material proven to be defective. **fd** MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED. User shall determine the suitability of



- **WetEx** has been formulated to be applied on clean, dry surfaces and should be applied at temperatures not lower than +5°C with humidity below 80%.
- Shake well before use.

WetEx can be applied by brush, roller or sprayer. Apply until the absorption stops; avoid applying in windy conditions.

- Apply **WetEx** to masonry, stone and ceramic products to provide a high level of protection against sub-surface staining. It is recommended for use on the following materials:
 - Terracotta tiles, tessellated floor tiles.
 - All Natural stones such as limestone, bluestone, sandstone, marble, granite, slate, travertine, quartz.
 - Concrete and clay pavers.
 - Porcelain tiles (polished & textured).
 - perfect for grout and gypsum products.
 - **DID YOU KNOW THAT a wet brick will lose twice as much energy as a dry brick. Similar losses are measured with most concrete and render walls that are not treated properly.**

Features + Benefits

- Contains advanced FluoroBond technology which chemically bonds to the substrate to increase chemical resistance and durability.
- Environmentally friendly with no offensive odours or fumes.
- Low VOC, non-toxic, non-corrosive and non-flammable.
- Completely safe to use, non-hazardous.
- Fast sealing and curing, allowing foot traffic in as little as 60 minutes.
- High resistance to both oil and water borne contaminants.
- Natural look; does not alter the slip resistance or appearance of the stone or tile (apart from slight darkening on some surfaces).
- Very easy to use and pH neutral; perfect for DIY applications.
- No need to strip before reapplication, does not discolour, peel or flake.
- Can be applied easily over other existing penetrating (impregnator) sealers.
- Allows the substrate to continue breathing by permitting vapour transmission.
- Helps reduce mould and mildew build-up.
- Excellent performance on both internal and external surfaces ranging from highly porous to extremely dense, with an effective life span of up to 5 years or up to mechanical destruction of the background layer.
- Significantly reduces cleaning time for tiles and stone, and reduces the need to use harsh cleaning products.
- An excellent grout sealer.

Application

Always test on a small trial area to gauge application effectiveness and result. Ensure surface to be sealed is sound and dry, thoroughly clean and free from dirt, oils, grease, paint, efflorescence or acids. Overspray when dried can become a white crust.

1. Apply using a sprayer (best results with Wagner electro W180 power sprayer or similar), a brush or roller. It is very important to wipe off any sealer that has not been fully absorbed within 15-20 minutes following application. Allow not more than 60 minutes for the 1st coat to dry, and then apply a 2nd coat if desired.

2. If excess sealer has dried on the surface, slightly wet a cloth with **WetEx** and buff to remove. Alternatively the excess might be able to be cleaned-off from polished surfaces for up to 24 hours after application using porcelain crème cleaner (pot/stainless cleanser) and a nylon scouring pad. Please clean with water afterwards before reapplying **WetEx** if needed.
3. Curing time: **WetEx** will fully cure within 24 hours. However the sealed tiles can be walked on after approximately 60 minutes.
4. It is important that no water comes in contact with the newly sealed tiles for at least 4 hours after application.

REAPPLICATION

- Reapply **WetEx** within 1-3 hours, before the previous layer has completely dried.
- When treating fine-pored materials it is recommended to allow ample time for the product to bond before reapplying.

COVERAGE

- Depending on the treated surface porosity: 50-200 ml/m² at 5-20 m²/litre surface coverage is depending on the coarseness of the surface.

CHECKING THE COATING QUALITY

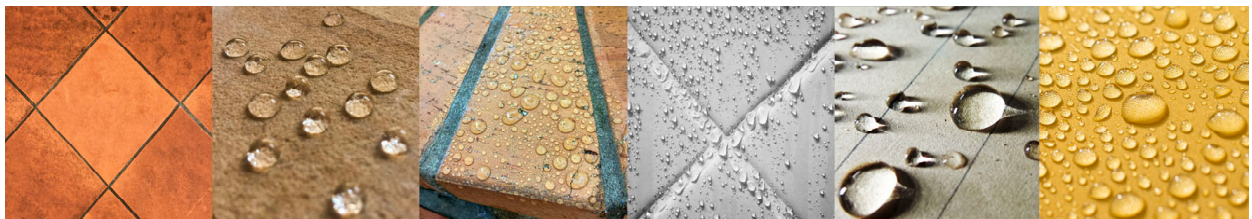
- To be performed after a complete drying of the treated surface (allow a minimum of 3 days). "Pearling-off" effect can be seen after only 30-45 minutes.
- Saturate the treated surface with water and check that it forms into drops (beads) that slither across the surface which should remain dry.
- Surface temperature should be between 5-35°C (40-95°F).
- Avoid applying by spray in windy conditions. Do not exceed 80% humidity! **WetEx** can not be used with standing water!

SAFETY MEASURES

- When working with **WetEx** use rubber gloves, respirator, protective clothing etc.

After drying-out the treated surface is non-flammable and non-toxic. **WetEx** can withstand temperatures up to 200C when dried.

Keep out of reach of children. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. If swallowed, drink plenty of water and seek medical attention immediately



WetEx concentrate has a shelf-life of up to 3 years. Keep container tightly sealed and store in a cool, well ventilated place away from direct sunlight.



WetEx is available in 750 ml spray bottle, 1ltr or 10ltr units of concentrate.

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