PURE-CHEM

BUILDING SECTOR

Product range for the
BUILDING INDUSTRY



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PURE-CHEM has developed a range of products dedicated to the construction sector thanks to the experience gained over **more than 30 years** .

These products offer an effective solution for the protection and renovation of building materials, improving their performance and value, ensuring their longer life.

Our range of protective products is divided into the following classes:

CLASS 01
WATER REPELLENTS

CLASS 02
WATER & OIL REPELLENTS

CLASS 03
SURFACE PROTECTION FOR CONCRETE PRODUCTS

CLASS 04
CONSOLIDANTS

CLASS 05
CHEMICAL BARRIER

CLASS 06
PAINT ADDITIVES

CLASS 07
POWDER ADDITIVES FOR CEMENTITIOUS PREMIXES

CLASS 08
ANTI-GRAFFITI

CLASS 09
WOOD PROTECTION

Our **Research & Development Laboratory** is constantly working on innovative, high-performance formulations that meet market needs while protecting the environment.

Years of experience allow us to offer high-quality products that meet our customers' requirements.

HIGH-QUALITY PRODUCTS FOR LONGER-LASTING BUILDINGS.

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PRODUCT CLASS 01

WATER REPELLENTS HYDROPROOF

Once applied to building surfaces, these products create a water-repellent barrier that does not alter their water vapour permeability or surface colour.

THE PURE-CHEM ADVANTAGES

Our water repellents offer the following advantages:

- WATER ABSORPTION REDUCED BY MORE THAN 80%
- WATER VAPOUR PERMEABILITY
- DEEP PENETRATION
- ALKALI RESISTANCE
- LOWER MAINTENANCE COSTS
- DURABILITY OF THE TREATED SUBSTRATE
- LOWER HEATING COSTS

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	DILUTION	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF **H 250**	Silane	Approx. 50	Water	3-10%	●●●○○	●●●●○	–
HYDROPROOF **H 250 B**	Silane – siloxane	Approx. 50	Water	3-10%	●●●○○	●●○○○	●●●●○
HYDROPROOF **H 245 B**	Silane	Approx. 45	Water	5-10%	●●●○○	●●●○○	●●●○○
HYDROPROOF **H 286**	Silicone resin	Approx. 42	Water	3-10%	●●●○○	●●○○○	●●●●○
HYDROPROOF **H 360**	Silicone resin – silane/siloxane	Approx. 60	Water	3-10%	●●●○○	●●●○○	●●●●○
HYDROPROOF **H 629**	Silane – siloxane	100	–	3-10%	●●●○○	●●●○○	●●●●○

●○○○○ low ●●●●● high — performance rating scale

BETTER-PROTECTED SURFACES, LONGER-LASTING VALUE.

Pure-Chem technology for safer, more sustainable and longer-lasting buildings.



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PRODUCT CLASS 02

WATER & OIL REPELLENTS HYDROPROOF

Water-based and solvent-based products are available.

THE PURE-CHEM ADVANTAGES

Our water and oil repellents offer the following advantages:

- ANTI-STAIN PROPERTIES
- REDUCED WATER ABSORPTION
- REDUCED ABSORPTION OF OIL AND GREASE
- EASY TO CLEAN

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	DILUTION	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF H 202 F	Reactive organic polymer	Approx. 20	Water	5-10%	●●●○○	●○○○○	●●●●○
HYDROPROOF H 220 F	Reactive organic polymer	Approx. 25	Water	3-10%	●●●○○	●○○○○	●●●●○
HYDROPROOF H 620 F	Reactive organic polymer	Approx. 25	Solvent	3-10%	●●●●○	●○○○○	●●●●●
HYDROPROOF H 625 F	Reactive organic polymer	Approx. 25	Solvent	3-10%	●●●●○	●○○○○	●●●●●

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 03

SURFACE PROTECTION FOR CONCRETE PRODUCTS

PURE-COAT® · HYDROPROOF

We offer water-based, environmentally friendly products.

THE PURE-CHEM ADVANTAGES

Our protective products for concrete elements offer the following advantages:

- ANTI-STAIN PROPERTIES
- ELIMINATION OF EFFLORESCENCE
- REDUCED WATER ABSORPTION
- REDUCED SOILING
- EASY TO CLEAN

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
PURE-COAT® F 31	Acrylic polysiloxane	Approx. 20	Water	●●●○○	●●●○○	●●●○○
PURE-COAT® F 51 P	Acrylic polysiloxane	Approx. 30	Water	●●●●○	●●●●○	●●●●○
HYDROPROOF H 382	Silane/siloxane	100%	–	●●●●○	●●●●○	●○○○○
HYDROPROOF P 200	Silane/siloxane	100%	–	●●●●○	●●●●○	●●○○○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 04

CONSOLIDANTS HYDROPROOF

Water-based and solvent-based products are available.

THE PURE-CHEM ADVANTAGES

Our consolidants offer the following advantages:

- **EXCELLENT CONSOLIDATING PROPERTIES**
- **WATER REPEL-LENCY**
- **ANTI-EFFLORESCENCE**

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	DILUTION	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF **CHP**	Silicate	Approx. 35	Water	Up to 20%	●●●●○	●●●○○	●●●●○
HYDROPROOF **ES 40**	Silicate	Approx. 40	Solvent	Up to 20%	●●○○○	●●●●○	●●●●○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 05

CHEMICAL BARRIER HYDROPROOF

We offer silane/siloxane-based products with high migration capacity, even in very damp substrates. They can also be applied by non-expert users.

THE PURE-CHEM ADVANTAGES

Our chemical barriers against rising damp offer the following advantages:

- PRESSURE-FREE APPLICATION
- EASY APPLICATION
- SHORTER APPLICATION TIMES
- HIGH MIGRATION
- ALKALI RESISTANCE

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	FORM	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF CREAM 80	Silane – siloxane	Approx. 80	Cream	●●●●●	●●●●●	●●●●●
HYDROPROOF CB 55	Silane – siloxane	Approx. 55	Liquid	●●●○○	●●●●○	●●●○○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 06

PAINT ADDITIVES HYDROPROOF

We offer silane- or siloxane-based products in aqueous emulsion that greatly reduce water absorption while preserving water vapour permeability.

THE PURE-CHEM ADVANTAGES

Our additives for water-based paints offer the following advantages:

- LOW WATER ABSORPTION
- WATER VAPOUR PERMEABILITY
- SOLVENT-FREE EMULSIONS
- PREVENTS PEELING AND CRACKING
- REDUCED MOULD AND ALGAE GROWTH

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	DOSAGE	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF **PRIMER**	Silane	Approx. 50	Water	3-5% in water	●●●●○	●●●○○	●●●●○
HYDROPROOF **ADDITIVE**	Siloxane	Approx. 55	Water	1-5% in paint	●●○○○	●●●●○	●●●●○
HYDROPROOF **BINDER**	Siloxane	Approx. 55	Water	1-5% in paint	●●●○○	●●●○○	●●○○○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 07

POWDER ADDITIVES FOR CEMENTITIOUS PREMIXES
HYDROPROOF

We offer micronised powders added at low dosages to cementitious premixes, delivering excellent performance without changing the properties of the mix.

THE PURE-CHEM ADVANTAGES

Our powder additives for cementitious premixes offer the following advantages:

- LOW WATER ABSORPTION COEFFICIENTS
- GREATER FREEZE-THAW RESISTANCE
- EXCELLENT BEADING EFFECT
- REDUCED SOILING
- LONGER SERVICE LIFE OF THE PRODUCT
- LOW DOSAGES
- NO CHANGE IN THE MECHANICAL PROPERTIES OF CEMENTITIOUS MIXES

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	CARRIER MATERIAL	DOSAGE	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF **P30**	Silane – siloxane	Silica	0.2-1%	●●○○○	●●●●○	●●●○○
HYDROPROOF **P50**	Silane – siloxane	Silica	0.2-1%	●●●●○	●●●●○	●●●●○
HYDROPROOF **P80**	Silane	Silica-PVA	0.1-1%	●●●●○	●●●●○	●●●●○
HYDROPROOF **P200**	Silane	Silica-PVA	0.1-0.3%	●●●●●	●●●●●	●●●●○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 08

ANTI-GRAFFITI HYDROPROOF

Our anti-graffiti range consists of an eco-friendly water-based paint remover and two anti-graffiti products (one sacrificial and one permanent).

THE PURE-CHEM ADVANTAGES

These products offer the following advantages:

- TRANSPARENT COATING
- NON-FILM-FORMING BARRIER
- BIODEGRADABLE CLEANER

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	CARRIER	ACTIVE MATTER %	WATER REPEL-LENCY	ANTI-ADHESION
HYDROPROOF **CLEANPURE GEL**	Bio-surfactant blend	Water	Approx. 90	–	–
HYDROPROOF **PUREWAX MW15**	Montan wax	Water	Approx. 15	●●●○○	●○○○○
HYDROPROOF **PURE-COAT® BARRIER**	Polysilazanes	Solvent	Approx. 30	●●●●○	●●●●○

●○○○○ low ●●●●● high — performance rating scale

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PRODUCT CLASS 09

WOOD PROTECTION
HYDROPROOF · PUREWAX

Once applied, these products create an invisible water-repellent barrier that does not alter water vapour permeability or surface colour.

THE PURE-CHEM ADVANTAGES

Our wood protection range offers the following advantages:

- FAST-ACTING
- UV RESISTANCE
- STAIN RESISTANCE
- DURABILITY
- INVISIBLE BARRIER
- EASY APPLICATION

PRODUCT RANGE AND FEATURES

PRODUCT	CHEMISTRY	ACTIVE MATTER %	CARRIER	DILUTION	WATER REPEL-LENCY	ANTI-EFFLO-RESCENCE	BEADING EFFECT
HYDROPROOF WP 24	Silicone resin	Approx. 50	Water	3-10%	●●●○○	–	●●○○○
HYDROPROOF WP 69	Silane – siloxane	Approx. 95	Solvent	3-10%	●●●○○	–	●●○○○
HYDROPROOF WP 22 F	Fluoropolymer	Approx. 25	Water	3-10%	●●●●○	●●○○○	●○○○○
HYDROPROOF WP 68 F	Fluoropolymer	Approx. 25	Solvent	3-10%	●●●●○	●●●○○	●○○○○
PUREWAX HE 30	Polyethylene wax	Approx. 30	Water	–	●●●○○	–	●●●●○
PUREWAX C 30	Carnauba wax	Approx. 30	Water	–	●●●○○	–	●●●●○

●○○○○ low ●●●●● high — performance rating scale

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