

Q8 Oils

mould release and
anti-stick agents



*Q8Oils offers a comprehensive range of
mould release and anti-stick agents*

- Q8 da Vinci
- Q8 Dali
- Q8 Dalton
- Q8 Dino
- Q8 Dusart



mould release essentials

Q8Oils have a comprehensive range of mould release agents for many applications. The mould release agent has a 20% impact on the final result, so Q8Oils understand that it is critical to choose the right product for the material & application.

Mould release products are specially formulated to match the requirements of the mould and material.

- Provides a smooth surface quality of the concrete
- Does not impair the surface finish due to adhesion of adhesives & coating material
- Imparts no staining or discoloration and prevents dust formation
- Leave no residue on the mould and provide easy cleaning
- Protect the mould for prolonged use
- Provide corrosion protection to the mould
- Protect operators to provide a safe & healthy working environment
- Minimise impact on the environment
- Maintain a cost effective solution

Q8Oils mould release range:

The various viscosities and surface active components allow for versatility in applying the product optimising performance and efficiency. The range also includes biodegradable products to further minimise the impact on the environment.

Range	Description
Q8 da Vinci	The Q8 da Vinci range has been specially developed for concrete demoulding where the oil creates a layer between the concrete and the mould. This layer is a critical part of the process as the chemistry of the product will result in soap formations at the interface.
Q8 Dali	The Q8 Dali range has been specifically developed for tile manufacturing by producing a special homogeneous layer on the mould.
Q8 Dalton	The Q8 Dalton range is specifically developed for the purpose in Autoclaved Aerated Concrete (AAC) production the cement mix is poured into the mould where it rises due to the gas bubbles that are formed in the process. These special conditions (e.g. rising cake) require demoulding oil that results in aerated concrete with good surface quality.
Q8 Dino	The Q8 Dino is a range of anti-sticking agents for asphalt plants, asphalt trucks and for cleaning tools at the work site.



precast and pre-stressed concrete



Q8 mould release agents are more effective than traditional barrier release agents.

Traditional barrier release agents prevent adhesion by developing a physical film or barrier between the forming surface and the concrete, however, this does not always meet today's application demands.

Q8Oils range of active mould release agents work by the process of a chemical reaction between the release agent and the concrete to create a soapy film to prevent adhesion. This results in little or no residue left on the mould resulting in a cleaner process. The range also includes friction modifier type agents which create a more uniform barrier between the mould and the concrete.

Q8 da Vinci 6	Demoulding of direct released sewage pipes, beams, curbs, tiles and for on site (yard) building construction. The product contains anti-rust inhibitors for steel moulds, has a low odour and is solvent free.
Q8 da Vinci 8	Demoulding designed for on site (yard) building construction and also suited for direct release demoulding. The product contains anti-rust inhibitors for steel moulds, has a low odour and is solvent free.
Q8 da Vinci 20	Demoulding designed for on site (yard) building construction and also suited for direct release demoulding. The product contains anti-rust inhibitors for steel moulds, has a low odour and is solvent free. When applied in the correct quantity, the mould release and surface quality is of a very high standard.
Q8 da Vinci P6	Demoulding of direct released sewage pipes, beams, curbs, tiles and for on site (yard) building construction. The product contains anti-rust inhibitors for steel moulds, has a low odour and is solvent free. Compared to the da Vinci 6, the Q8 da Vinci P6 has been developed for lower temperature conditions.
Q8 da Vinci P8	Demoulding designed for on site (yard) building construction and also suited for direct release demoulding. The product contains anti-rust inhibitors for steel moulds, has a low odour and is solvent free. Compared to the da Vinci 8, the Q8 da Vinci 8P has been developed for lower temperature conditions.
Q8 da Vinci AM4	Demoulding of prefab elements, like floors, stairs, balconies and concrete foundation piles. The product contains anti-rust inhibitors for steel moulds and an anti-mist additive to prevent the inhalation of vapours.
Q8 da Vinci Bio 5	A multi-purpose biodegradable demoulding agent for prefab elements and direct release. It fulfills the highest biodegradable standard: Readily, BLF Class 1, and is nominated for the Eco Label. When applied in the correct quantity, the mould release and surface quality is of a very high standard.
Q8 Dali 2	Demoulding for fast fibre cement & tiles with anti-rust additives for steel moulds. Formulated with light base oils with low odour, easy to apply and biodegradable.



demoulding oils recommendations

Type	da Vinci 6	da Vinci 8	da Vinci P6	da Vinci P8	da Vinci AM4	da Vinci 20	da Vinci Bio 5	Dali 2
Mode of Application								
Spray	✓	✓	✓	✓	✓	-	✓	✓
Swab	0	0	0	0	0	✓	✓	
Non heated mould	✓	✓	✓	✓	✓	✓	✓	✓
Heated mould (up to 100°C)	✓	✓	✓	✓	-	✓	-	-
Application Area								
Building construction (outside yard)	✓	✓	✓	✓	✓	✓	✓	-
Prefab elements, floors, stairs, balconies, piles	-	-	-	-	✓	-	✓	✓
Architectural	-	-	-	✓	-	-	✓	-
Direct release of beams, tiles, fences	✓	✓	✓	✓	-	✓	✓	-
Direct release pipes, curbs, grids	✓	✓	✓	✓	-	✓	✓	-
Bricks & Stones	✓	✓	✓	✓	-	✓	✓	-
Tiles (concrete, asbestos cement)	-	-	-	-	-	-	-	✓
Type of Mould								
Formed mould	-	-	-	-	✓	-	✓	✓
Light alloy	✓	✓	✓	✓	✓	✓	✓	✓
Plywood	✓	✓	✓	✓	✓	✓	✓	✓
Plastic	✓	✓	✓	✓	✓	✓	-	✓
Resin coated	✓	✓	✓	✓	-	✓	-	-
Steel	✓	✓	✓	✓	✓	✓	✓	✓
Wood, planed	✓	✓	✓	✓	✓	✓	✓	✓
Wood, saw roughness	✓	✓	✓	✓	-	✓	-	-

✓= recommended , 0= not necessary, but useful, - = not recommended



For an optimum result of the surface finish, it is essential that the demoulding oil layer is homogeneous and as thin as possible:

Spraying:

Study shows that the thicker the oil, the more the concrete surface quality deteriorates.

The film thickness after spraying (under 4.5 bar with a distance of 20 cm) is approx. 3-5 µm and after spreading with a scraper or cloth approx. 1-1.5 µm.

Preferred optimum quantity of oil for smooth surfaces:

1 liter / 70 m² for untreated solid wood: 1 liter / 30 m² (A rougher surface allows a higher viscosity).

aerated concrete



Mould release agents tailor made for aerated concrete (AAC).

Autoclaved aerated concrete (AAC) is made by introducing an expansion agent into the aggregate, cement blend. This is used to create closed air pockets creating a lighter end product while maintaining a strong structure.

The versatility and variety of AAC products is vast and includes prefabricated blocks, beams, frames, panels, cladding etc.

Q8 Dalton 140

Demoulding for aerated concrete. Dalton 140 has chemically active components and low frictional properties of the oil form an excellent separating layer between concrete cake and mould. Almost no concrete remains are left in the mould which prevents additional cleaning.

Approvals: **Xella, Ytong, MASA-HENKE, WEHRHAHN.**

Q8 Dalton 320

Demoulding for aerated concrete. Dalton 320 provides excellent wetting and adhesion effect which results in a nice and even layer inside the mould.

Approvals: **Xella, Ytong, MASA-HENKE, WEHRHAHN.**

Q8 Dalton 500

Demoulding for aerated concrete. Dalton 500 has low oil consumption and outstanding rust and corrosion protection.

Approvals: **Xella, Ytong, MASA-HENKE, WEHRHAHN.**

Q8 Dino XL 12

Solvent free and low odour anti-sticking agent for steel grids.



asphalt



The intent of asphalt release agents is to eliminate harmful stripping products that come into contact with bituminous products and strip the asphalt (binding agent) from the aggregates causing potholes, ravelling, and other detrimental pavement failures.

The Q8Oils asphalt release range is designed to be versatile so that it can be used as an anti-sticking agent and for the cleaning of tools at the plant.

Q8 Dino 3.5

Anti-Stick oil. The product has low odour and is easy to apply due to its low viscosity and has low misting properties. Good heat resistance and solvent free.

Q8 Da Vinci AM 4

Multi-applicable anti-stick oil and mould release agent. Easy cleaning of the tools and mobile asphalt equipment.

Q8 Dusart Bio 3.5

User-friendly anti-stick agent for asphalt industry, thanks to the odourless, colourless and non-aromatic characteristics.





fibre cement and tiles

Mould release agents suitable for use with tiles and fibre cement by producing a special homogenous layer on the mould.

Fibre cement is a reinforced blend of cement, with composite building and construction materials to increase strength and durability used in roofing and facade products.

Q8 Dali 2

Demoulding for fast fibre cement & tiles with anti-rust additives for steel moulds. Formulated with low odour light coloured base oils, easy to apply and biodegradable.

Q8 Dali 4

Demoulding of tiles, fibre cement and sewage pipes based on light coloured base oil and formulated with anti-rust additives for steel moulds. Low odour & easy to apply.

Q8 Dali 11

Demoulding of tiles, fibre cement and sewage pipes based on light coloured base oils and formulated with anti-rust additives for steel moulds. Low odour and easy to apply.



product overview

Product	Kinematic Viscosity @40 °C (mm ² /s)	Biodegradability 28 days OECD 301B		Total Acid Number (mgKOH/g)	Pour Point (°C)	Flash Point open cup ASTM D92 (°C)
		Readily	Inherent			
Q8 da Vinci 6	6		✓	10	-21	130
Q8 da Vinci 8	8		✓	10	-15	140
Q8 da Vinci 20	20		✓	1.6	-15	180
Q8 da Vinci P6	6		✓	10	-21	134
Q8 da Vinci P8	8		✓	10	-21	148
Q8 da Vinci AM4	4		✓	10	-24	128
Q8 da Vinci Bio 5	5	✓		2.3	-30	185
Q8 Dalton 140	140			0.4	-12	280
Q8 Dalton 320	320			0.5	-12	290
Q8 Dalton 500	500			0.6	-12	320
Q8 Dino XL 12	12		✓	1.3	-12	180
Q8 Dino 3.5	3.5		✓	<0.03	-18	130
Q8 Da Vinci AM 4	4		✓	10	-24	128
Q8 Dusart Bio 3.5	3.6	✓		ND	-9	132
Q8 Dali 2	2		✓	4.6	-33	86
Q8 Dali 4	4		✓	1.7	-24	128
Q8 Dali 11	11		✓	6.3	-15	174

Applications:



Concrete



Aerated Concrete



Tiles



Asphalt



complementary products

Q8Oils has a range of complementary products for all your static & mobile machinery needs and for additional plant lubrication.



gear oils

The Q8Oils portfolio for industrial gears is based on gear lubricants for general lubrication and special applications.

Q8 Goya

150, 220, 320, 460, 680

Q8 Goya is an advanced mineral oils that meet the current standards for gear lubricants and provides high industrial performance. Its oxidation and thermal stability guarantee a long service life of the lubricant. Q8 Goya provides an optimum wear and corrosion protection under all conditions and has a minimal downtime thanks to a high load carrying capacity.

Approvals: **US Steel 224; DIN 51517 (CLP); AGMA 250.04.**

hydraulic oils

A range of top quality hydraulic oil available in range of ISO viscosity grades.

Q8 Haydn

22, 32, 46, 68, 100

A range of top quality anti-wear hydraulic oils manufactured from the highest quality solvent refined base stocks and special additives. Specially developed to meet the stringent filterability requirements of modern machine tools, electro hydraulic systems and for use in machines where accurate indexing, positioning and sequencing depends on oil quality. The range is based on the latest low zinc technology combining high anti-wear performance with excellent filterability in dry and wet conditions.

Specifications: **ISO 11158, category HM; SS 155434, category AM (not ISO VG 100); DIN 51524, Part 2, category HLP.**

Q8 Holbein Eco

46

Q8 Holbein ECO 46 is an exceptional eco-friendly synthetic lubricant with a high viscosity index. Thanks to its characteristics, it can be used in delicate areas and a wide range of temperatures. This lubricant is readily biodegradable > 70 in 28 days. Q8 Holbein ECO is compatible with mineral and vegetable based lubricants.

Specifications: **ISO 11158 category HV (except oxidation stability D 943 & NBR1 seal compatibility), DIN 51524, Part 3, category HVLP (except oxidation stability D 943 & NBR1 seal compatibility), ISO 15380, HEES type, Nicht Wasser Gefährdend (Water hazard class: Not dangerous to aquatic species).**

Q8 Heller

15, 22, 32, 46, 68 & 100

Q8 Heller is suitable for an extensive range of applications and temperatures. The high viscosity index exceeds the industrial standard which results in an oil with outstanding flow properties. Thanks to the high oxidation stability, drain intervals and lubricant life are significantly extended. Q8 Heller is used for demanding applications that require high viscosity index oils.

Specifications: **DIN 51524, Part 3, category HVLP; ISO 11158, category HV; AFNOR 48-603, category HV.**

grease

A grease is a lubricating oil contained in a soap structure.

Q8 Rembrandt

EP2, 3, Moly

A range of lithium high quality greases.

Specifications: **DIN 51502; ISO 6743.**

Q8 Rubens

00, WB/b

A range of lithium complex high quality greases.

Specifications: **DIN 51502; ISO 6743.**

Q8 Concrete Solutions



about Q8Oils

Q8Oils is part of the Kuwait Petroleum Corporation (KPC), one of the world's largest oil companies. With 120 years of known reserves and crude oil production levels of 2.9 million barrels per day, it is ranked the seventh largest oil producer in the world. KPC's business spans every segment of the hydrocarbon industry: on and offshore exploration, production, refining, marketing, retailing, petrochemicals and marine transportation.

Backed by the significant corporate resources of our parent company, Q8Oils is a fully integrated lubricants organisation. Using high quality base oils we manufacture an extensive range of oils in our own blending plants and have established state of the art European laboratories for development and technical support work. Today, Q8Oils lubricants are used by customers in more than 80 countries around the world.

Sharing our expertise with you

For technical help and any questions you may have please visit our Expert Platform on <https://expert.Q8Oils.com>

The screenshot shows the Q8Oils website interface. At the top, there is a navigation menu with links for INDUSTRIES, ABOUT, ALL ARTICLES, CONTACT, and DISCOVER OUR PRODUCTS. A search bar is located below the navigation. The main content area features a large image of an industrial facility with the text "Sharing our expertise with you" overlaid. Below this, a section titled "WHAT ARE YOU INTERESTED IN?" displays four categories, each with a representative image and a list of products:

- ENERGY**: Gas engine oils - Compressor oils - Turbine oils - Marine engine oils
- AUTOMOTIVE**: Cars - Truck & Bus - Agriculture - Off-road - Motorcycle - Leisure Marine
- METALWORKING**: Wire & Tube Drawing - Renewal - Drutching - Cold Rolling - Anti Corrosion - Forming
- GENERAL INDUSTRY**: Hydraulic - Circulating - Industrial Gears - Chain - Greases - Degreasers - Pneumatic - Gremoulding - Bio - Transformer - Road Grade - Heat Transfer

At the bottom of the screenshot, there is a call to action: "Join our newsletter and receive a monthly update on the lubricants industry" with a "SUBSCRIBE NOW" button.



Kuwait Petroleum (Belgium) N.V./S.A.
Petroleumkaai 7
2020 Antwerpen - Belgium
T +32 (0)3 247 38 11
E Q8Oilsmarketing@Q8.com
www.Q8Oils.com

Product Applications Department:
Tel: +32 3 247 38 79
Email: Palub@Q8Oils.com