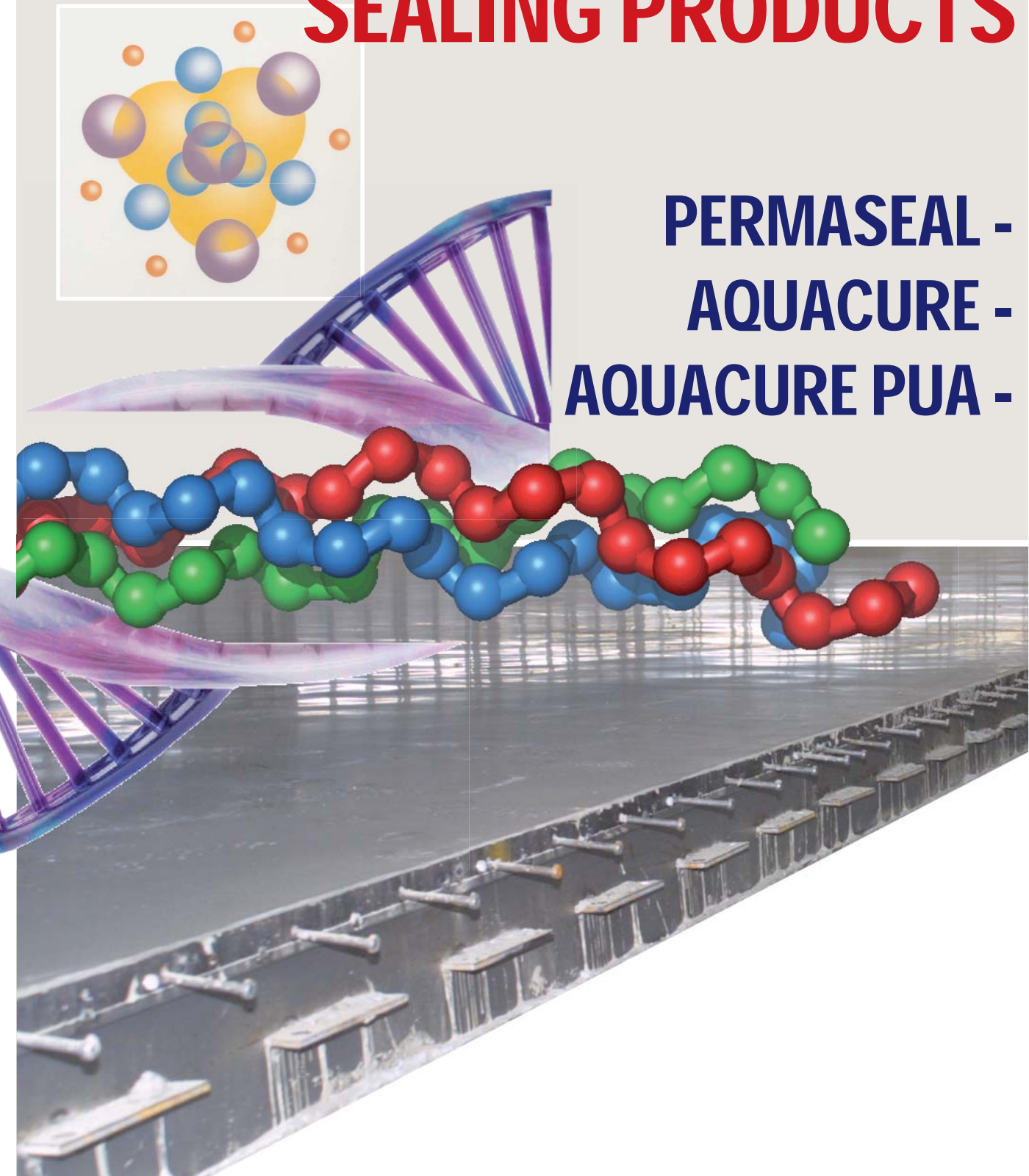


CONCRETE CURING & SEALING PRODUCTS

PERMASEAL -
AQUACURE -
AQUACURE PUA -



Permaseal & Aquacure Concrete Curing & Surface Hardeners

For many years, the accepted method of hardening and dust-proofing concrete floors has been the application of surface treatments based on Sodium Silicate and Magnesium Fluorosilicate. Until recently, their effectiveness has been assumed rather than measured and their application has continued - in spite of being labour intensive - due mainly to the perception that these treatments consist of cheap materials.

As well as producing what is now known to be a limited technical performance these materials are limited in their scope and in their practical application. For example, the Sodium Silicate & Magnesium Fluorosilicate can only be applied after concrete has dried out over a period of two weeks. These compounds *harden* but do not *cure* or *seal* and usually require at least two applications with intermittent wash-down and drying periods.

In the last decade, materials based on polymer resins in aromatic solvents were developed to provide a better performance than silicate systems. As well as a better performance, these materials offer greater scope and quicker on-site application. For example, these materials can be applied shortly after power floating has finished, they provide the additional functions of curing and sealing. Not to forget the simple spray-on application. These newly developed sealants score heavily in the economy stakes because they save on the purchase of polythene or other curing agents, as well as saving on labour costs during the application.

These materials were intended to work by penetrating the concrete surface and were generally known as 'in surface sealer'. Permaseal was one such 'in surface' sealer, being a acrylic resin polymer solution which impregnates the concrete surface to combine all the benefits of curing, hardening and partial sealing in one application.

Over the recent past the awareness when using solvent based materials has been questioned. Developments have taken place to replace the solvent-based materials with water-based materials and Permaseal have developed Aquacure and Aquacure PUA to meet this challenge.



Aquacure being applied by Mist Blower in Romania

Products Available:

PERMASEAL

(Solvent based acrylic resin)

- Is an acrylic resin in a solvent base and provides a 75% curing efficiency due to its high solid content in comparison to other acrylic resins. It is important to note that this product is liable to peeling if it is applied too heavily.

AQUACURE

(Water-based VOC compliant acrylic curing membrane)

- AQUACURE represents a new generation of concrete curing, hardening and sealing for concrete floors. Aquacure is a VOC compliant water-based membrane forming liquid for curing, sealing, dust proofing and hardening concrete.

AQUACURE PUA

(Water-based low VOC polyurethane acrylic hybrid dispersion)

- Aquacure PUA is a new development combining polyurethane and acrylic resins dispersed in water. Traditional moisture curing polyurethane has always provided the highest floor hardness, sealing and abrasion resistance to concrete floors. Their use has become restricted due to their isocyanate and solvent content and their limitation to use on dry and cured concrete only. Aquacure PUA overcomes all of these restrictions as a water-based polyurethane acrylic hybrid dispersion free from n-methyl-z-pyrrolidone (NMP).

PERMASEAL & AQUACURE - USES

Curing Agent - Permaseal and Aquacure form an effective curing membrane for fresh wet concrete meeting ASTM C309 standards.

Impregnation/Sealer/Hardener - Permaseal and Aquacure impregnates even fresh concrete, hardening, partially sealing and protecting the surface.

Concrete Floor Hardener - Permaseal and Aquacure impregnates and improves, hard-wearing, non-dusting surface qualities to new or existing concrete floors.

Warning: whilst these materials were designed to work by impregnating the upper surface of the concrete, with today's heavier trowelling techniques impregnation into the surface will be reduced significantly. Thus the curing and material application will rely on adhesion of the material to the surface. In these situations it is important not to overapply the product resulting in overthickness of the coating.

PERMASEAL & AQUACURE - ADVANTAGES

- * Cures, seals, dust-proofs and hardens in one single rapid spray application.
- * Quick to dry and economical.
- * Can be applied shortly after finishing new concrete, saving on costs incurred by more extrapolated methods.
- * Enables easier removal of construction splashes and easier cleaning of the floor surface before client handover.
- * Technically out performs silicate systems ('Research Developments in Abrasion Resistance' available on request).
- * Can be applied to mature concrete and will accept further overcoatings.
- * Can be employed as an anti-carbonation coating.
- * Supplied as a single compound, ready-to-use liquid.
- * No specialist training required for on-site labour.
- * Can be applied to coloured concrete surfaces.

Permaseal

Solvent based acrylic cure & seal

DATASHEET ISSUE 1.5
10 DECEMBER 2008

GENERAL

PERMASEAL is a clear acrylic resin polymer solution, which is formulated to impregnate the concrete surface to combine all the benefits of curing, hardening and sealing.

For many years the accepted method of hardening and dust proofing concrete floors has been the application of surface treatments based on Sodium Silicate and Magnesium Fluorosilicate. Their effectiveness has been assumed rather than measured and their application has continued, in spite of being labour intensive, due mainly to the perception that they are cheap materials. As well as producing what is now known to be a limited technical performance these materials are limited in their scope and in their practical application. For example - they can only be applied after concrete has dried out over a period of two weeks - they harden but do not cure or seal - they usually need at least two applications with intermittent wash down and drying periods. In more recent years materials based on polymer resins in aromatic solvents were developed to provide a better performance than silicate systems. As well as a better performance, these materials offer greater scope and quicker on-site application. For example - they can be applied shortly after power trowelling has finished - they provide the extra functions of curing and sealing - they can be simply applied in one spray application. Economically they score because they save on the purchase of polythene or other curing agents, as well as saving on labour costs. Since these materials work by penetrating the concrete surface, they are generally known as "in surface seals". Such a material is PERMASEAL.

USES FOR PERMASEAL

CURING AGENT

Permaseal forms an effective curing membrane for fresh wet concrete meeting ASTM C309 standards.

IMPREGNATION/SEALER

Permaseal impregnates even fresh concrete, sealing and protecting the surface. It may be beneficial to apply a further application of Permaseal to provide additional sealing to the floor at a later date if extra sealing of the concrete surface is considered necessary.

CONCRETE FLOOR HARDENER

Permaseal impregnates and improves the concrete surface to provide hard wearing, non-dusting surface qualities to new or existing concrete floors.

ABRASION RESISTANCE

Permaseal (75% Curing Efficiency) is a unique 'in surface' seal and when tested on only 30N concrete achieved 0.08mm of wear, which is better than AR1 High Abrasion to BS8204 classification for abrasion resistance.

ADVANTAGES OF PERMASEAL

- Cures, seals, dust proofs and hardens in one operation
- Quick drying and economical
- Single rapid spray application
- Can be applied shortly after finishing new concrete thus saving on cost of polythene or other curing methods
- Enables the floor to be laid, cured and hardened in the single site visit
- Enables easier removal of construction splashes and easier cleaning before hand over to client
- Saves considerably in labour costs compared to silicate systems
- Technically out performs silicate systems ("Research Developments in Abrasion Resistance" available on request)
- Can also be applied to mature concrete
 - Will accept future overcoatings
- Can be used as an anti-carbonation coating
- Supplied as a single component, ready-to-use liquid
- Easily applied by semi-skilled labour
- Can be applied over coloured and Dry-Shake topping floors

INSTRUCTIONS FOR USE

New Concrete

- Permaseal may be sprayed onto freshly placed concrete after the finishing of the concrete is complete.

Existing Concrete

- For sealing existing concrete the substrate should be clean, sound and free of laitence, oil, paint film or other contamination. Captive grit blasting or grinding may have to be considered as methods of preparation, although high temperature application of a neutral detergent may be beneficial with oil/grease contamination. Sweep or vacuum all dust and debris from the surface. A dry surface is preferred but damp surfaces are acceptable providing there is no free-standing water present.

Permaseal

Solvent based acrylic cure & seal

DATASHEET ISSUE 1.5
10 DECEMBER 2008

APPLICATION

Permaseal should be sprayed evenly from either an agricultural-type spray applicator or by way of an airless spray unit. Both methods should be used to spray Permaseal directly onto concrete free from surface water and suitably prepared. Spraying equipment should be cleaned thoroughly after each application. Do not allow the Permaseal to pool on the floor.

Appearance:

The application of one coat of Permaseal at the specified rate immediately after the power trowling operation is intended to provide the correct curing regime for the floor. With one coat of Permaseal a sheen finish is temporarily obtained which will matt down as the floor dries out.

NOTE:

One coat of Permaseal is not designed to fully seal the floor as the moisture in the concrete has to evaporate through the Permaseal as part of the curing process.

COLD WEATHER PRECAUTIONS

In colder conditions (i.e. Winter), the application of Permaseal may have to be delayed to ensure that any remaining bleed water has fully evaporated, as this may affect the final appearance of the Permaseal. Resulant surface bloom from not ensuring the concrete surface was free of standing water will affect the final colour appearance of any Permaban Dry Shake Topping Hardener, if selected for use.

To pre-existing cured concrete surfaces:

Provided the surface is dry, clean and free of ice/surface frost then application may proceed without special low temperature precautions.

To newly finished concrete surfaces - inside weatherproofed buildings:

The new concrete surface must always be above 0°C. The incoming ready mixed concrete must be above this temperature and the actions of placing and working the concrete may be expected to increase its temperature further. The concrete itself, when laid, is also chemically exothermic (gives out heat). Thus in practice the factors most likely to limit the work commencing are the conditions and regulations relating to the supply of the ready mixed concrete. In our experience, once laid a powerfloated internal floor in a weatherproof building is unlikely to suffer from frost. If the weather conditions deteriorate during the works to the extent that the concrete surface temperature approaches 0°C, curing must be carried out only with suitable thermal blankets. If it is still required, Permaseal may be applied at a later date.

To newly finished concrete surfaces - outdoors:

The temperature of the concrete surface must always be above 0°C. The local regulations and norms applicable should be followed and in general these may be expected to require a minimum temperature (e.g. 5°C) and a rising thermometer before concentrating may start.

Permaseal is seldom used for new exterior concrete surfaces but in the event of low temperatures new exterior concrete surfaces should not be cured with Permaseal. Suitable thermal curing blankets should be used. If still required, Permaseal may be applied at a later date.

MIXING

Permaseal is supplied ready to use.

SAFETY

Store in a cool, dry place which is well ventilated and protected from extremes in temperature. Do not allow this product to freeze. Do not smoke near the stored fluid or expose it to a naked flame. Store in original containers and only break their seal if intended for use. Wear protective clothing at all times when handling Permaseal - gloves, goggles and a protective suit. Wear barrier cream on any exposed skin surfaces. Avoid contact with skin or eyes and seek medical advice immediately should the unavoidable happen.

COVERAGE

7-10m² per litre per coat depending on the porosity of the surface accepting it.

DRYING TIME

Touch Dry 2-4hrs at 20°C.
Fully Dry after 24hrs at 20°C.

CURING EFFICIENCY

75% - when tested to ASTM curing efficiency.

PACKAGING

200 litre sealed drums.

SHELF LIFE

9 months if kept unopened in original sealed containers in a cool dry place, free from temperature extremes.

FLASH POINT

25°C (Abel-Closed Cup)



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Aquacure

V.O.C. compliant acrylic cure & seal

DATASHEET ISSUE 1.7

12 MAY 2009

GENERAL

AQUACURE represents a new generation of concrete curing, hardening and sealing for concrete floors. Aquacure is a water based membrane forming liquid for curing, sealing, dust proofing and hardening concrete.

Aquacure has been specifically developed as a VOC compliant curing and sealing product which exhibits a VOC content of only 6g per litre. Aquacure is, therefore, recommended for use as a replacement for polymer resin based materials suspended in aromatic solvents where the use of these solvent containing materials is considered harmful to the environment.

Aquacure can be applied to concrete surfaces and provides excellent wearing qualities for foot or vehicular traffic. If after prolonged usage traffic patterns appear the surface can be washed clean and recoated to restore the original sheen.

USES FOR AQUACURE

CURING AGENT

AquaCure forms an effective curing membrane for fresh wet concrete meeting ASTM C309 Type 1, Class B standards. All federal and state solvent emissions standards including California Air Regulations, New York and New Jersey state requirements. USDA approved for use in facilities where this sealer may come into incidental contact with food products.

IMPREGNATION/SEALER

Aquacure is designed to impregnate concrete, providing partial sealing and protection to the surface. It may be beneficial to apply a further application of Aquacure to provide additional sealing to the floor at a later date if extra sealing of the concrete surface is considered necessary.

CONCRETE FLOOR HARDENER

Aquacure impregnates and improves the concrete surface to provide hard wearing, non-dusting surface qualities to new or existing concrete floors.

VOC CONTENT

6g per litre

ABRASION RESISTANCE

Aquacure is a unique 'in surface' seal and if tested on 40N power trowelled concrete should achieve better than AR1 High Abrasion to BS8204 classification for abrasion resistance.

PACKAGING

25 and 200 litre drums.

SHELF LIFE

Prevent the material from freezing at anytime, Aquacure should be stored above 5°C. This product should remain sealed in its original containers and will last for 2 years when kept under these conditions.

ADVANTAGES OF AQUACURE

- Provides an alternative to solvent based material where these may be objectional, undesirable or non-compliant
- Cures, dust proofs, hardens and partially seals in one operation
- Quick drying and economical
- Single rapid spray application
- Can be applied shortly after finishing new concrete thus saving on cost of polythene or other curing methods
- Enables the floor to be laid, cured and hardened in the single site visit
- Enables easier removal of construction splashes and easier cleaning before hand over to client
- Saves considerably in labour costs compared to silicate systems
- Technically out performs silicate systems ("Research Developments in Abrasion Resistance" available on request)
- Can also be applied to mature concrete
 - Will accept future overcoatings
- Can be used as an anti-carbonation coating
- Supplied as a single component, ready-to-use liquid
- Easily applied by semi-skilled labour
- Can be applied over coloured and Dry-Shake topping floors

INSTRUCTIONS FOR USE

New Concrete

- Aquacure may be sprayed onto freshly placed concrete after the finishing of the concrete is complete.

Existing Concrete

- For sealing existing concrete the substrate should be clean, sound and free of laitence, oil, paint film or other contamination. Captive grit blasting or grinding may have to be considered as methods of preparation, although high temperature application of a neutral detergent may be beneficial with oil/grease contamination. Sweep or vacuum all dust and debris from the surface. A dry surface is preferred but damp surfaces are acceptable providing there is no free-standing water present.

MIXING

Aquacure requires no preblending and should be used directly from the container.

Aquacure

V.O.C. compliant acrylic cure & seal

DATASHEET ISSUE 1.7
12 MAY 2009

APPLICATION

Aquacure can be applied by roller or preferably sprayed (evenly) from either an agricultural-type spray applicator or ideally by way of a mist blower or an airless spray unit. Both methods should be used to spray Aquacure directly onto concrete free from surface water and suitably prepared. Spraying equipment should be cleaned thoroughly after each application. Do not allow the Aquacure to pool on the floor.

Appearance:

The application of one coat of Aquacure at the specified rate immediately after the power trowling operation is intended to provide the correct curing regime for the floor. With one coat of Aquacure a sheen finish is temporarily obtained which will matt down as the floor dries out.

NOTE:

One coat of Aquacure is not designed to fully seal the floor as the moisture in the concrete has to evaporate through the Aquacure as part of the curing process.

COLD WEATHER PRECAUTIONS

In colder conditions (i.e. Winter), the application of Aquacure may have to be delayed to ensure that any remaining bleed water has fully evaporated, as this may affect the final appearance of the Aquacure. Resultant surface bloom from not ensuring the concrete surface was free of standing water will affect the final colour appearance of any Permaban Dry Shake Topping Hardener, if selected for use.

To pre-existing cured concrete surfaces:

Provided the surface is dry, clean and free of ice/surface frost then application may proceed without special low temperature precautions but do not apply below 5°C at which temperature the curing time will be extended.

To newly finished concrete surfaces - inside weatherproofed buildings:

The new concrete surface must always be above 5°C. The incoming ready mixed concrete must be above this temperature and the actions of placing and working the concrete may be expected to increase its temperature further. The concrete itself, when laid, is also chemically exothermic (gives out heat). Thus in practice the factors most likely to limit the work commencing are the conditions and regulations relating to the supply of the ready mixed concrete. In our experience, once laid a powerfloated internal floor in a weatherproof building is unlikely to suffer from frost.

If the weather conditions deteriorate during the works to the extent that the concrete surface temperature approaches 0°C, curing must be carried out only with suitable thermal blankets. If it is still required, Aquacure may be applied at a later date.

To newly finished concrete surfaces - outdoors:

The temperature of the concrete surface must always be above 5°C. The local regulations and norms applicable should be followed and in general these may be expected to require a minimum temperature (e.g. 5°C) and a rising thermometer before concentrating may start.

Aquacure can be used for new exterior concrete surfaces but in the event of low temperatures new exterior concrete surfaces should not be cured with Aquacure. Suitable thermal curing blankets should be used. If still required, Aquacure may be applied at a later date.

SAFETY

Store in a cool, dry place which is well ventilated and protected from extremes in temperature. Store above 5°C. Do not allow this product to freeze. Do not smoke near the stored fluid or expose it to a naked flame. Store in original containers and only break their seal if intended for use. Wear protective clothing at all times when handling Aquacure - gloves, goggles and a protective suit. Wear barrier cream on any exposed skin surfaces. Avoid contact with skin or eyes and seek medical advice immediately should the unavoidable happen.

COVERAGE

Textured Concrete : 10 - 15 m²/ltr
Smooth/Troweled : 12 - 18 m²/ltr

DRYING TIME

ASTM D-1640 : 22°C, 55% Relative Humidity
Hard : less than 1 hour
re-coat time : 2-4 hours

* The drying time of water based material is directly influenced by temperature and relative humidity. Low concrete or air temperature and/or high relative humidity will extend drying times. Allow the product to dry for 6 hours before foot traffic, and 3 days before wheeled traffic. Low ambient temperatures will extend these drying times.

CURING EFFICIENCY

When applied at the specified coverage rate, Aquacure meets the water retention properties of ASTM specification C 309 - 07 for Liquid Membrane-Forming Compounds for curing concrete, and will restrict the loss of water to not more than 0.55 kg/m² in 72 H. (90% Curing Efficiency).

Aquacure PUA

Low V.O.C. polyurethane acrylic cure & seal

DATASHEET ISSUE 1.1
13 MAY 2009

GENERAL

Aquacure PUA is a brand new development in concrete curing and sealing. Traditional moisture curing polyurethane has always provided the highest floor sealing and abrasion resistance to concrete floors. Their use has become restricted due to their isocyanate and solvent content and their limitation to use on dry and cured concrete only. Aquacure PUA overcomes all of these restrictions as a water-based polyurethane acrylic hybrid dispersion free from n-methyl-z-pyrrolidone (NMP). Aquacure PUA provides a non-yellowing - abrasion resistant - curing and sealing compound for concrete floor and wall surfaces.

Aquacure PUA has been specifically developed as a low VOC curing and sealing product which exhibits a VOC content of only 23g per litre. Aquacure PUA is, therefore, recommended for use as a replacement for polymer resin-based materials suspended in aromatic solvents where the use of these solvent containing materials is considered harmful to the environment.

Aquacure PUA can be applied to new or existing concrete surfaces and provides excellent wearing qualities for foot or vehicular traffic. If after prolonged usage traffic patterns appear, the surface can be washed clean and recoated to restore the original sheen.

USES FOR AQUACURE PUA

CURING AGENT

Aquacure PUA forms an effective curing membrane for fresh wet concrete meeting ASTM C309 Type 1, Class B standards. All federal and state solvent emissions standards including California Air Regulations, New York and New Jersey state requirements. USDA approved for use in facilities where this sealer may come into incidental contact with food products.

IMPREGNATION/SEALER

Aquacure PUA is designed to impregnate concrete, providing partial sealing and protection to the surface. It may be beneficial to apply a further application of Aquacure PUA to provide additional sealing to the floor at a later date if extra sealing of the concrete surface is considered necessary.

CONCRETE FLOOR HARDENER

Aquacure PUA impregnates and improves the concrete surface to provide hard wearing, non-dusting surface qualities to new or existing concrete floors.

VOC CONTENT

23g per litre

ABRASION RESISTANCE

Aquacure PUA is a unique 'in surface' seal and if tested on 40N power trowelled concrete should achieve better than AR1 High Abrasion to BS8204 classification for abrasion resistance or 'Special' classification when used with Permaban Dry Shake Toppings.

PACKAGING

25 and 200 litre drums.

SHELF LIFE

Prevent the material from freezing at anytime, Aquacure PUA should be stored above 5°C. This product should remain sealed in its original containers and will last for 2 years when kept under these conditions.

ADVANTAGES OF AQUACURE PUA

- Provides an alternative to solvent based material where these may be objectional, undesirable or non-compliant
- Cures, dust proofs, hardens and partially seals in one operation
- Quick drying and economical
- Single rapid spray application
- Can be applied shortly after finishing new concrete thus saving on cost of polythene or other curing methods
- Enables the floor to be laid, cured and hardened in the single site visit
- Enables easier removal of construction splashes and easier cleaning before hand over to client
- Saves considerably in labour costs compared to silicate systems
- Technically out performs silicate systems ("Research Developments in Abrasion Resistance" available on request)
- Can also be applied to mature concrete - Will accept future overcoatings
- Can be used as an anti-carbonation coating
- Supplied as a single component, ready-to-use liquid
- Easily applied by semi-skilled labour
- Can be applied over coloured and Dry-Shake topping floors

INSTRUCTIONS FOR USE

New Concrete

- Aquacure PUA may be sprayed onto freshly placed concrete after the finishing of the concrete is complete.

Existing Concrete

- For sealing existing concrete the substrate should be clean, sound and free of laitence, oil, paint film or other contamination. Captive grit blasting or grinding may have to be considered as methods of preparation, although high temperature application of a neutral detergent may be beneficial with oil/grease contamination. Sweep or vacuum all dust and debris from the surface. A dry surface is preferred but damp surfaces are acceptable providing there is no free-standing water present.

MIXING

Aquacure PUA requires no preblending and should be used directly from the container.

Aquacure PUA

Low V.O.C. polyurethane acrylic cure & seal

DATASHEET ISSUE 1.1

13 MAY 2009

APPLICATION

Aquacure PUA can be applied by roller or preferably sprayed (evenly) from either an agricultural-type spray applicator or ideally by way of a mist blower or an airless spray unit. Both methods should be used to apply Aquacure PUA directly onto concrete free from surface water and suitably prepared. Spraying equipment should be cleaned thoroughly after each application. Do not allow the Aquacure PUA to pool on the floor.

Appearance:

The application of one coat of Aquacure PUA at the specified rate immediately after the power trowelling operation is intended to provide the correct curing regime for the floor.

With one coat of Aquacure PUA a sheen finish is temporarily obtained which will matt down as the floor dries out.

NOTE:

One coat of Aquacure PUA is not designed to fully seal the floor as the moisture in the concrete has to evaporate through the Aquacure PUA as part of the curing process.

COLD WEATHER PRECAUTIONS

In colder conditions (i.e. Winter), the application of Aquacure PUA may have to be delayed to ensure that any remaining bleed water has fully evaporated, as this may affect the final appearance of the Aquacure PUA. Resultant surface bloom from not ensuring the concrete surface was free of standing water will affect the final colour appearance of any Permaban Dry Shake Topping Hardener, if selected for use.

To pre-existing cured concrete surfaces:

Provided the surface is dry, clean and free of ice/surface frost then application may proceed without special low temperature precautions but do not apply below 5°C at which temperature the curing time will be extended.

To newly finished concrete surfaces - inside weatherproofed buildings:

The new concrete surface must always be above 5°C. The incoming ready mixed concrete must be above this temperature and the actions of placing and working the concrete may be expected to increase its temperature further. The concrete itself, when laid, is also chemically exothermic (gives out heat). Thus in practice the factors most likely to limit the work commencing are the conditions and regulations relating to the supply of the ready mixed concrete. In our experience, once laid a powerfloated internal floor in a weatherproof building is unlikely to suffer from frost.

If the weather conditions deteriorate during the works to the extent that the concrete surface temperature approaches 0°C, curing must be carried out only with suitable thermal blankets. If it is still required, Aquacure PUA may be applied at a later date.

To newly finished concrete surfaces - outdoors:

The temperature of the concrete surface must always be above 5°C. The local regulations and norms applicable should be followed and in general these may be expected to require a minimum temperature (e.g. 5°C) and a rising thermometer before concentrating may start.

Aquacure PUA can be used for new exterior concrete surfaces but in the event of low temperatures new exterior concrete surfaces should not be cured with Aquacure PUA. Suitable thermal curing blankets should be used. If still required, Aquacure PUA may be applied at a later date.

SAFETY

Store in a cool, dry place which is well ventilated and protected from extremes in temperature. Store above 5°C. Do not allow this product to freeze. Do not smoke near the stored fluid or expose it to a naked flame. Store in original containers and only break their seal if intended for use. Wear protective clothing at all times when handling Aquacure PUA - gloves, goggles and a protective suit. Wear barrier cream on any exposed skin surfaces. Avoid contact with skin or eyes and seek medical advice immediately should the unavoidable happen.

COVERAGE

Textured Concrete : 10 - 15 m²/ltr

Smooth/Troweled : 12 - 18 m²/ltr

DRYING TIME

ASTM D-1640 : 22°C, 60% Relative Humidity

Hard : 4 hours

re-coat time : 4-24 hours

* The drying time of water based material is directly influenced by temperature and relative humidity. Low concrete or air temperature and/or high relative humidity will extend drying times. Allow the product to dry for 6 hours before foot traffic, and 7 days before wheeled traffic. Low ambient temperatures will extend these drying times.

CURING EFFICIENCY

When applied at the specified coverage rate, Aquacure PUA meets the water retention properties of ASTM specification C 309 - 07 for Liquid Membrane-Forming Compounds for curing concrete, and will restrict the loss of water to not more than 0.55 kg/m² in 72 H. (90% Curing Efficiency).