







# ABOUT HATCRETE

Our reputation for quality products, unrivalled technical support & integrity in everything we do has been earned over the last 35 years, during which time we have worked in the industrial flooring industry alongside influential architects, engineers & professional installers on some of the highest profile projects throughout the UK.

The business principles employed at the outset of the business remain the priority focus today, with our dedicated professionals in all departments leaving no stone left unturned in the pursuit of providing the highest quality products combined with unequalled customer service, technical support and availability of products.

The Hatcrete range of industrial flooring materials & colour systems for concrete was introduced into the UK by the Hatfield family way back in the 1980s.

It is reassuring to witness that many of the flooring contractors, architects and clients are still specifying & using the Hatcrete services and products some 35 years on.

With UK manufacturing facilities based in Littlehampton, West Sussex and busy depots in Sheffield, Manchester & Newbury we are able to respond quickly to supply demands of all contractors, often to strict deadlines, no matter the size of the project.













# HATCRETE CURING AGENTS



### **Hatcrete Cure & Seal SB (Solvent)**

A high performance curing agent / sealer improving the abrasion resistance for all forms of freshly laid or existing concrete.

\*Suitable for heavily trafficked areas & improving curing efficiency of freshly laid concrete floors.

\*Seals and protects concrete

\*Reduces surface dusting

\*Non-yellowing & weather resistant

\*87% & 90% Curing Efficiency

**Hatcrete Cure & Seal WB (Water based)** 

A transparent, acrylic polymer resin. It is a hard wearing sealing solution, improving the abrasion resistance for all forms of freshly laid or existing concrete.

\*Increases curing efficiency for freshly laid slabs.

\*Seals & protects concrete & screed

\*Reduces dusting

\*Non-yellowing & weather resistant

\*Easy to clean, water based emulsion

\*84% Curing Efficiency

# HATCRETE CURE & SEAL SB AND SB90%

### **SOLVENT BASED**

25ltr DRUM 200ltr DRUM 1000ltr IBC







### HATCRETE CURE & SEAL WB

### **WATER BASED**

25ltr DRUM

200ltr DRUM

1000ltr IBC

# HATCRETE SELF-COMPACTING CURING AGENT

## **WATER BASED**

10ltr DRUM

25ltr DRUM

### HATCRETE H-CURE

### **WATER BASED**

25ltr DRUM

200ltr DRUM

1000ltr IBC

H-Cure
Designed to Harden & Improve
Abrasion Resistance

\*Aids Curing

\*Slows surface drying

\*Reduces chances of plastic cracking

\*Suitable for interior or exterior use

\*84% Curing Efficiency

\*Conforms with ASTM C-309 & ASTM C-156

\*Leaves an acrylic, non waxy membrane



## Technical Data – PICS Solvent Based Curing and Sealing Solution

(90.41) E (G)

### PRODUCT DESCRIPTION

PICS Solvent based Curing and Sealing Solution is a premixed, colourless blend of high-grade acrylic resin polymers and aromatic solvents.

### **PURPOSE**

To aid curing of freshly laid concrete or to seal existing concrete surfaces.

### SPECIAL PROPERTIES As a curing agent

- Aids curing of fresh concrete
- Slows surface drying
- Reduces chances of plastic cracking
- Conforms with ASTM C-309 and ASTM C-156
- Ideal for use on colour hardened floors
- Suitable for interior or exterior use
- Non yellowing
- Reduces dusting

### As a sealer

- Reduces dusting for new and old concrete
- Improves abrasion resistance
- Can be applied by spray, roller or brush

### APPLICATION INSTRUCTIONS

As a curing agent: As soon as final finish is completed and the concrete surface is free of any bleed water, the product should be spray applied as soon as the surface has gained sufficient strength to withstand spray application without damage. The sprayer unit must be equipped with VITONTM seals and solvent resistant hose and body.

The product should be applied at a MINIMUM of 1 litre per 5m2. If a second coat is required, allow first coat to dry tack free prior to applying second coat. Application rates may increase due to surface profile and uniformity of application.

As a sealer: Existing concrete surfaces should be clean, dry and free of any surface laitance. When used outside, the product must be applied when there is no chance of rain before the product has fully dried. Concrete should not be sealed below 5°C or above 30°C

Drying times will vary, depending on temperature and air flow, however as a guide, the film will be tack free within 2 hours at 20°C. Foot traffic may be permitted after 12 hours and vehicular traffic after a minimum of 24 hours at 20°C

### PACKAGING

25 and 200 litre metal drums.

Store in a cool dry place away from heat or ignition sources.

### **CURING EFFICIENCY**

Independently tested to BS7542:1992 guidelines with colour hardener added and trowelled into the surface and final finish trowelled to replicate on site conditions. After 72 hours in the drying cabinet, in the sprayed specimen 87% of the moisture in the mortar that was available to evaporate had been retained.

### SPECIFICATION CLAUSE

"Freshly laid concrete, which has received its final finish shall be treated with PICS Solvent Based Curing and Sealing Solution from PICS (Tel 01635 202224) to aid curing of the finished slab. All materials should comply with ISO9001 for Quality Assurance. All work should be carried out in conjunction with the manufacturers technical data sheet and instructions for use"

### **HEALTH AND SAFETY**

Flammable liquid. Do not smoke. Keep application area well ventilated. Wear respirator and eye protection when applying internally. Store in a cool place. Flash point 42 °C (Abel-Closed Cup). Refer to the Health & Safety Data Sheet for further information.

### **TECHNICAL SERVICES**

For further information, call our technical dept on:-® UK (01635) 202224

International +44(0) 1635 202224

e-mail info@picsuk.com Web Site www.picsuk.com

11-07-2017

Pattern Imprinted Concrete Supplies Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and conditions of Sale, copies of which may be obtained on request. Whitet Pattern Imprinted Concrete Supplies Ltd endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or confinuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

Manufactured by:

PATTERN IMPRINTED CONCRETE SUPPLIES LIMITED Unit 2, Red Shute Hill Ind. Est., Hermitage Nr Newbury, Berkshire, RG18 9QL, United Kingdom www.picsuk.com info@picsuk.com





### Technical Data - PICS Water Based Curing and Sealing Solution

(90.41) E (G)

### PRODUCT DESCRIPTION

PICS Water Based Curing and Sealing Solution is a water based acrylic emulsion.

PICS Water Based Curing and Sealing Solution can be applied to aid curing of freshly laid concrete or can be used to seal existing concrete surfaces.

### SPECIAL PROPERTIES As a curing agent:

- · Aids curing of fresh concrete
- Slows surface drying
- Reduces chances of plastic cracking
- Can be used on colour hardened concrete floors
- Suitable for interior or exterior use
- 84% curing efficiency
- Conforms with ASTM C-309 and ASTM C-156

### As a sealer:

- Improves abrasion resistance
- Enhances colour and aesthetics
- UV light and weather resistant
- Inhibits moss or algae growth
- Resists staining
- Suitable for interior or exterior use

### APPLICATION INSTRUCTIONS

Mix well, or shake container thoroughly before use.

As a curing agent: As soon as final finish is completed and the concrete surface is free of any bleed water, the product should be applied by sprayer as soon as the surface has gained sufficient strength to withstand spray application without

The product must be applied at a MINIMUM of 5m2/ litre in one or two applications. Allow first coat to dry tack free prior to applying second coat (if required). Application rates may increase due to surface porosity, surface profile and uniformity of application.

As a sealer: Existing concrete surfaces should be clean, dry and free of any surface laitance.

When used outside, the product must be applied when there is no chance of rain before the product has fully dried. Concrete should not be sealed below 10°C or above 30°C.

Drying times will vary, depending on temperature, humidity and air flow, however as a guide, the film will be tack free within 2 hours at 20°C. Foot traffic may be permitted after 12 hours and vehicular traffic after a minimum of 24 hours at 20 °C.

Treated floors which are suitably cleaned and / or prepared can be compatible with future waterbased or solvent based coatings. Always apply a small test area prior to recoating or subsequent applications. Contact PICS technical department if in doubt.

### PACKAGING

25 and 200 litre metal drums

Store at minimum 5 °C. Do not allow to freeze.

### CURING EFFICIENCY

Independently tested to BS7542:1992 guidelines with colour hardener added and trowelled into the surface and final finish trowelled to replicate on site conditions. After 72 hours in the drying cabinet, in the sprayed specimen 84% of the moisture in the mortar that was available to evaporate had been retained.

### SPECIFICATION CLAUSE

"Freshly laid concrete, which has received its final finish shall be treated with PICS Water Based Curing and Sealing Solution from PICS (Tel 01635 202224) to aid curing of the finished slab. All materials should comply to ISO9001 for Quality Assurance. All work should be carried out in conjunction with the manufacturer's current technical data sheet and instructions for use".

### **HEALTH AND SAFETY**

PICS Water Based Curing and Sealing Solution is non-toxic and non-flammable. The solution can normally be applied without a vapour mask or safety glasses. Avoid contact with skin and eyes. Flush affected areas with water. Do not take internally. Refer to Health & Safety Data Sheet for further information.

### **TECHNICAL SERVICES**

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e-mail info@picsuk.com Web Site www.picsuk.com

14-10-2016

### Warranty

Pattern Imprinted Concrete Supplies Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and conditions of Sale, copies of which may be obtained on request. Whilst Pattern Imprinted Concrete Supplies Ltd endeavours to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it cannot, because it has no direct or confinuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

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# HATCRETE INDUSTRIAL DRY SHAKE



# HATCRETE FIBRE SUPPRESSANTS

# HATCRETE COLOURED INDUSTRIAL QUARTZ

### HATCRETE INDUSTRIAL FLOOR HARDENER IFH

SUPPLIED IN

25kg BAGS

1 tonne BAGS

SUPPLIED IN

25kg BAGS

1 tonne BAGS

SUPPLIED IN

25kg BAGS

1 tonne BAGS





# **HATCRETE**

# HATCRETE INDUSTRIAL FLOORING

# Colour Hardener Industrial Hardener (quartz)

A dry shake material for surface colouring and hardening freshly placed concrete.



Colours shown are approximations of HATCRETE® colours cured and sealed with HATCRETE® Clear Sealer \*\*special order - minimum 5 bags.











## HATCRETE

## Industrial Floor Hardener

C1/SfB (43) Eu5 (G5)

TECHNICAL DATA

Coloured Industrial Quartz, dry-shake floor hardener.

### DESCRIPTION

HATCRETE® Industrial Floor Hardener, dry-shake topping for commercial and industrial flooring applications. Produces attractive coloured, dense, wear-resistant surface. The product is chloride-free.

### MAIN FEATURES

- · Fibre suppressant.
- · Floor hardener.
- · Ready to use dry-shake application.
- Available in 20 standard colours
- Custom made colour options available
- Installed at concrete placing stage.
- Exceptional wear-resistance.
- Dense, fade resistant, permanent coloured surface
- Packaged in 25kg and 1t water-resistant sacks.
- Quality assured to BS EN ISO 9001 certification.
- Pigments used conform to BS EN 128 78: 1999

### SPECIAL PROPERTIES AND USES

Freshly placed concrete treated with HATCRETE® Industrial Floor Hardener and trowelled to a smooth finish provides an extremely hardwearing, coloured, non-dusting, low maintenance surface with increased resistance to penetration of oils and many other materials.

The product is ready to use straight from the bag. HATCRETE® Industrial Floor Hardener has been rigorously tested at Aston University and achieved excellent results in impact and abrasion resistance.

Sample Product	Depth of Wear BS 8204 Abrasion	Measured Indentation BRE Impact Test
HATCRETE® Fibre Suppressant	0.02 mm	0.25 mm
Power trowelled concrete	0.49 mm	0.50 mm

The full investigative report is available on request.

HATCRETE® Industrial Floor Hardener is ideal for producing high quality, extremely hardwearing floors in industrial and production situations, or areas where an aesthetically pleasing, coloured, non-dusting, uniform appearance is required.

### COVERAGE

HATCRETE® Industrial Floor Hardener is supplied in 25 kg waterresistant bags and 1t sacks.

### HAND APPLICATION

HATCRETE® Industrial Floor Hardener must be applied at a minimum rate of 3 kg per square metre and up to 5 kg per square metre depending on site conditions and for heavily trafficked areas.

### MACHINE APPLICATION

HATCRETE® Industrial Floor Hardener may be applied by mechanical spreader at a minimum rate of 5 kg per square metre. If insufficient material is applied by either method, the colour may be patchy, the abrasion resistance may be reduced and the fibres may show through.

### AVAILABILITY

HATCRETE® Industrial Floor Hardener is normally manufactured to order.

### STORAGE

Sacks should be stored off the floor, unopened, in a dry, frost-free environment. Shelf life for this product when stored correctly is approximately 12 months.

### SUB-BASE

The sub-base should be graded to ensure a uniform thickness of concrete. It should be compacted, well-drained but moist, and completely free from standing water or frost. Laying on a polythene slip membrane is highly recommended.

### CONCRETE

In accordance with good concrete laying practice, the placing and curing of concrete in temperatures below 5 °C should be avoided at all costs.

For most applications, the concrete should contain a minimum cement content of 325 kg per cubic metre. All aggregates must be non-reactive and if admixtures are incorporated they must not contain chlorides or any other ingredient that will cause "blooming". The mix water should be kept to the minimum required for satisfactory placement and finishing of the concrete.

The concrete must be protected from the elements at all stages of construction. Tents should be employed to deflect heat or rain. In windy conditions it is important to provide shelter to minimise the possibility of surface cracks.





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# HATCRETE COLOURMIX





Hatcrete Colourmix is not a conventional concrete dye or concrete pigment and has totally superseded other methods of colouring concrete.

It is a precision manufactured concrete admixture with stringently controlled properties which displays numerous advantages over basic concrete dye and concrete pigments.

- \* Ready to use accurate dosages
- \*Available in 23 standard colours
- \*Custom colours made to order
- \* Colour consistency guaranteed
- \* Minimal wash down requirements

Hatcrete Colourmix concrete colour is pre-weighed and packaged within a water-soluble bag.

Each bag is sufficient to colour 1 cubic metre of concrete.

Hatcrete Colourmix is UV stable so won't fade over time.

Hatcrete Colourmix can be used on many varying types of project, some of which are.

\*Brush finished concrete

\*Industrial flooring (Power trowelled)

\*Polished concrete

\*Exposed aggregate





# HATCRETE

## Colourmix

A coloured admixture for producing integral colour in concrete.



COLOUR TECHNOLOGY FOR CONCRETE



Colours shown are approximations of HATCRETE® Colourmix in a typical concrete using mid grey Portland cement and having an as-cast surface. The final colour is affected by many influences.

Always refer to Technical Data TD 12.









# HATCRETE Colourmix

A coloured admixture for producing integral colourin concrete.

C1/SIB	, Yu5	(G5)
7.0	1177-1	100

TECHNICAL DATA

**TD12** 

### COLOUR TECHNOLOGY FOR CONCRETE

### DESCRIPTION

HATCRETE® Colourmix is an admixture which integrally colours new concrete. It can be used in pre-cast or cast in-situ applications and can be colour matched to blend in or complement the surrounding natural landscape. HATCRETE® Colourmix widely extends the otherwise very limiting aspects of ordinary grey concrete and is used wherever an integral colour is needed. Freshly placed concrete may be trowelled to a smooth finish or given a variety of textures. Removing the top surface can reveal a decorative exposed aggregate finish. HATCRETE® Colourmix is stable in the presence of lime and sunlight and contains no chlorides.

### MAIN FEATURES

- Ready to use accurate dosage.
- Available in 24 standard colours.
- Custom colours made to order.
- Packaged in water-soluble bags.
- Colour consistency guaranteed.
- Quality assured under BS EN ISO 9001.
- Pigments used conform to BS EN 128 78: 1999.
- Minimal wash down requirements.

### RATE OF ADDITION

HATCRETE® Colourmix is pre-weighed and packaged within water- soluble bags. Each bag is sufficient to colour 1 cubic metre of concrete, or smaller batch sizes as specified.

### AVAILABILITY

HATCRETE® Colourmix is manufactured to order, usually within 5 working days against each customers individual specification. Custom made colour options can normally be manufactured within 5 working days of approved colour match.

### COLOUR CHART

Reference to the HATCRETE® Colourmix colour chart shows the 24 standard colours depicting a smooth trowelled surface. An "average" grey Portland Cement has been used in a typical midrange cement content mix, giving muted earthy tones. Different textures and finishes result in variations of shades. Brighter versions can be obtained with Portland Blast Furnace Cements, the brightness increasing with the slag content. For absolute purity of colour, White Portland Cement can be used.

In all cases it is advisable to carry out trial mixes and prepare sample panels using the mixes, materials and methods envisaged for the final project, before work commences.

### COVERAGE

HATCRETE® Colourmix is precisely factory pre-weighed to colour condition the particular mix design specification. Standard and custom colours are packaged in bags sufficient to colour 1 cubic metre of concrete.

### PACKAGING

HATCRETE® Colourmix is supplied triple packed in a water soluble bag within a plastic bag and a tough woven polypropylene bag. This provides a highly accurate addition rate as the whole INNER bag is discharged into the mixer with the concrete. It is important that bags are opened correctly at the top as directed on the packaging to ensure no damage to the inner soluble bag.

### STORAGE

Bags should be stored off the floor, unopened in a dry environment. Shelf life is normally 12 months if stored as recommended.

### CONCRETE

The mix must primarily be designed to fully satisfy the specific performance requirements in service.

All aggregates must be non-reactive and mix water kept to the minimum required for the satisfactory placement and finishing of the concrete.

### METHOD OF USE

The mixing drum must be clean and free from any previous mix 'buildup' or any other material. HATCRETE® Colourmix is usually added at the rate of 1 bag per cubic metre and must be used as indicated on the packaging. It is essential that the cementitious components are accurately weighed and are the same as quoted on the HATCRETE® Colourmix bag. To maintain batch to batch colour uniformity the specified mix design must be adhered to and sources of all materials must remain constant throughout the project.

Any changes, particularly of the cement (and cement extender if used), water content and to a lesser extent the fine aggregate, will affect the end result. As with accepted good concrete practice, the properties of the constituent materials, including aggregate gradings, should remain consistent.

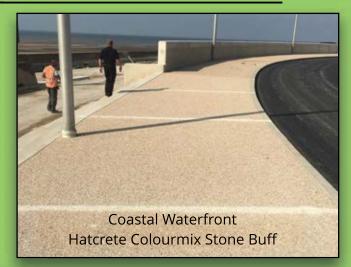
For absolute colour uniformity from batch to batch, identical amounts of all the ingredients must be maintained and the slump kept under tight control.





# HATCRETE EXPOSED AGGREGATE





Exposed Aggregate is a decorative concrete which is achieved by carefully selecting a Colourmix colour and a decorative aggregate.

Then chemically retarding the concrete surface and finally removing the top

1- 4mm of cement matrix by washing.

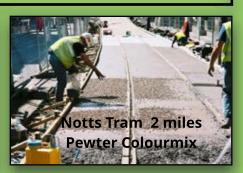
Hatcrete Exposed Aggregate is an attractive decorative concrete finish.

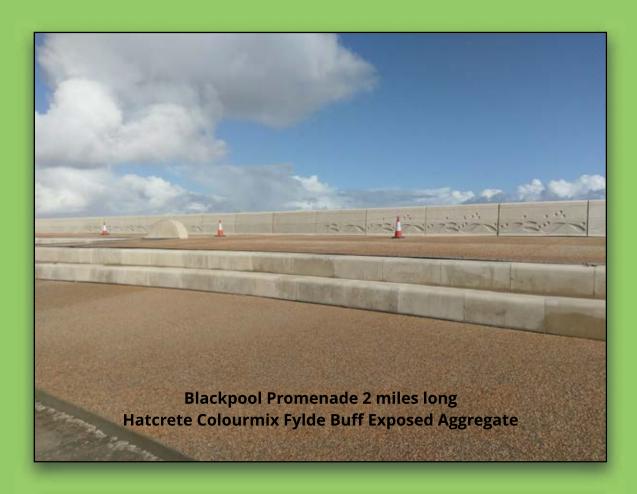
With the following benefits and features:

- \* Very low maintenance
- \* High wear resistance
- \* Many and varied decorative options
  - \* Good anti-slip properties
    - \* No weed growth
  - \* No shrinkage or trip hazards
- \* Can be designed to suit a specific locality
- \* Longer lasting than resin bound alternatives
- \* By carefully selecting the aggregates & Colourmix many affects can be achieved

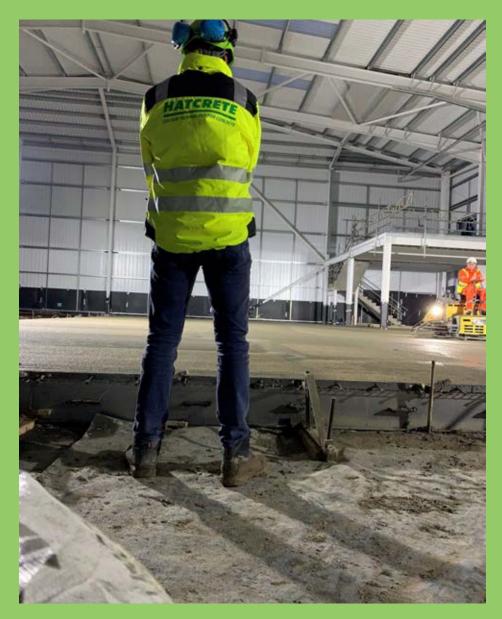












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