preparation & application instructions



To ensure you achieve the best possible outcome for your paving project we recommend that you use an SBR.

ProJoint[™] High Performance SBR is a **water-based emulsion of a modified styrene-butadiene polymer** and have been designed to **improve the strength and workability of sand and cement mortar,** however it can also be used for priming the surface of natural stone or cement slabs or setts to **promote adhesion**.

With **non-foaming properties** the SBR controls the density of the mortar and results in a significant increase in compressive, tensile and flexural strength. Using the ProJoint™ High Performance SBR will give reassurance that paving will be securely bedded with additional benefits such as an **excellent freeze:thaw resistance** and mortar durability.

key facts

- · Promotes adhesion of natural stone and concrete paving to substrates
- High solids content of over 45%
- · Improves strength and workability of sand and cement mortar
- Excellent freeze: thaw resistance
- · Increases water resistance and duarability of mortar

directions for use

ProJointTM High Performance SBR can be applied neat to the underside of paving substrates as a primer and adhesion promoter. Please note that SBR is not recommended for use as a primer for porcelain paving; for this application use ProJointTM Porcelain Primer.

Protective gloves (made of PVC) together with eye protection should be worn when using this product.

Add the SBR liquid into the cement whilst mixing. The addition rate depends on the application - as a guide, a typical addition is 200ml per 1kg of cement. Please note that this addition will reduce the amount of water needed in the mix, and will also reduce the pot life of the mixed mortar.

IMPORTANT:

Always test in a hidden area prior to use, and only proceed when satisfied with the result. The techical information supplied is based on data obtained by our own research and is considered accurate. However, no liability is accepted for any loss or damage arising directly or indirectly from the use of our products, or from the information given in publications. Prospective users should therefore satisfy themselves, by appropriate trials, that the product is suitable for the intended use.

Do not discharge waste into drains or rivers.

storage

Store in an area free from contamination between 5 and 40°C. Protect from frost for a maximum period of 6 months.



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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product form : Mixture

Product name ProJoint High Performance SBR

Type of product : Polymer

Product group : Trade product

1.2 Relevant identified uses of the substance or mixture and uses advised against

Main use category : Industrial use

Industrial/Professional use :

: Use resulting in inclusion into or onto a matrix

spec

Use of the substance/mixture : Industrial use

1.3 Details of the supplier of the safety data sheet

Company : Nexus Pro Systems Ltd

Unit 23 Centre Park

Marston Moor Business Park

Tockwith York

YO26 7QF

Telephone : 01937 858000 Telefax : 0871 434 5055

E-mail address : sales@nexusprosystems.co.uk

Responsible/issuing person W Beaumont

1.4 Emergency telephone number

01937 858000 (office hours only - 7.30am to 5.00pm)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2 Label elements

EUH-statements EUH208 - Contains a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one

[EC No 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No 220-239-6] (3:1), 1,2 -benzisothiazo-3(2H)-one, 2-methyl-4-isothiazolin-3-one. May

produce an allergic reaction

EUH210 - Safety data sheet available on request

2.3 Other hazards

Other hazards not The components in this formulation do not meet the criteria for

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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contributing to the classification

classification as PBT or vPvB.

3. Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

4. First aid measures

4.1 Description of first aid measures

Inhalation Not applicable

Skin contact Repeated or prolonged skin contact may cause irritation. After

contact with skin, take off immediately all contaminated clothing, and

wash immediately with plenty of water and soap.

Eye contact In case of contact with eyes, rinse immediately with plenty of water

and seek medical advice.

Ingestion Ingestion may cause nausea and vomiting. Rinse mouth out with

water. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical

attention.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available.

4.3 Indication of any immediate medical attention and special treatment needed

After adequate first aid, no further treatment is required unless symptoms reappear.

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

: All known extinguishants can be used.

Unsuitable extinguishing

: None known.

media

5.2 Special hazards arising from the substance or mixture

Fire hazard In dry state: Combustible

Explosion hazard Not applicable.

5.3 Advice for firefighters

Precautionary measures fire Do not allow run-off from fire-fighting to enter drains or water

courses.

Protection during firefighting Special protective equipment for firefighters: Wear suitable

respiratory equipment.

Other information Combustion produces toxic gases.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Avoid contact with skin and eyes.

6.1.1 For non-emergency personnel

Protective equipment: Avoid contact with skin and eyes. Protective gloves made of PVC. Safety

glasses.

6.1.2 For emergency responders

Protective equipment: PVC gloves.

6.2 Environmental precautions

Avoid release to the environment. Prevent soil and water pollution. SECTION 12: Ecological information.

6.3 Methods and materials for containment and cleaning up

For containment Contain leaking substance, pump over in suitable containers.

Methods for cleaning up Collect in closed and suitable containers for disposal. Small quantities of liquid spill: take up in non-combustible absorbent

material and shovel into container for disposal. Clean up even minor leaks or spills and spread granular absorbent promptly. Disposal must be done according to official regulations.

SECTION 13: Disposal considerations.

Comply with local regulations for disposal.

6.4 Reference to other sections

SECTION 12: Ecological information. SECTION 13: Disposal considerations.

7. Handling and storage

Other information

7.1 Precautions for safe handling

Precautions for safe handling Keep container in a well-ventilated place. Avoid contact with

skin and eyes.

Handling temperature

5 - 40 °C Hygiene measures

Use good personal hygiene practices. When using do not

eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions Protect against frost.

Maximum storage period 6 months 5 - 40 °C Storage temperature

Storage area Protect against frost.

Special rules on packaging Storage in plastic is recommended. Storage in stainless steel

is recommended. Storage containers must be free of

contamination before use.

Packaging materials Plastic, Steel, Stainless steel,

7.3 Specific end uses

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction

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with the product. They are not to be interpreted as a warranty.

8. Exposure controls/personal protection

8.1 Control parameters

No additional information available.

8.2 Exposure controls

Hand protection Protective gloves made of PVC.

Eye protection Goggles + face shield.

Skin and body protectionNot applicable. Avoid prolonged and repeated contact with

skin.

Respiratory protection Not applicable.

Environmental exposure controls Do not discharge into drains or rivers.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form : Liquid
Appearance : Milky.
Colour : White
Odour : Weak
Melting point : 0°C
Boiling point : 100°C

Relative Density : 1.02 kg/l @ 20°C

pH Value : 8.5 – 9.5

Water solubility : Soluble in water.

Water: 100 %

Solid content (%) : 47 – 49

9.2 Other information

VOC content Max 0.05%

10. Stability and reactivity

10.1 Reactivity

Not applicable.

10.2 Chemical stability

SECTION 7: Handling and storage. Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Keep the substance free from contamination.

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10.5 Incompatible materials

Materials to avoid. Strong acids.

10.6 Hazardous decomposition products

On burning: release of (highly) toxic gases/vapours.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity Not classified (Based on available data, the

classification criteria are not met)

Skin corrosion/irritation Not classified (Based on available data, the

classification criteria are not met)

pH: 8.5 - 9.5

Serious eye damage/irritation Not classified (Based on available data, the

classification criteria are not met)

pH: 8.5 - 9.5

Respiratory or skin sensitisation
Not classified (Based on available data, the

classification criteria are not met)

Germ cell mutagenicity Not classified (Based on available data, the

classification criteria are not met)

Carcinogenicity Not classified (Based on available data, the

classification criteria are not met)

Reproductive toxicity Not classified (Based on available data, the

classification criteria are not met)

Specific target organ toxicity (single exposure) Not classified (Based on available data, the

classification criteria are not met)

Specific target organ toxicity (repeated Not classified (Based on available data, the

classification criteria are not met)

Aspiration hazard Not classified (Based on available data, the

classification criteria are not met)

Potential adverse human health effects and None known

symptoms

exposure)

Other information No additional information available.

12. Ecological information

12.1 Toxicity

Ecology – general Material highly soluble in water.

12.2 Persistence and Degradability

Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative Potential

Bioaccumulative potential There is no bioaccumulation.

12.4 Mobility in Soil

Ecology - soil None known.

12.5 Results of PBT and vPvB Assessment

No additional information available

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according to Regulation (EC) No. 1907/2006

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12.6 Other Adverse Effects

Other adverse effects Unknown.
Additional information None known.

13. Disposal considerations

13.1 Waste treatment methods

Regional legislation Waste disposal according to EC directives 75/442/EEC and

(waste) 91/689/EEC in the corresponding versions, covering waste and

dangerous waste.

Waste treatment methods Refer to manufacturer's information.

Waste disposal Treat using the best available techniques before discharge into

recommendations drains or the aquatic environment.

recovery/recycling.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1 UN Number

Not regulated for transport

14.2 UN proper shipping name

Proper Shipping Name (ADR)
Proper Shipping Name (IMDG)
Proper Shipping Name (ADN)
Proper Shipping Name (RID)
Not applicable
Not applicable
Not applicable

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) Not applicable

IMDG

Transport hazard class(es) (IMDG) Not applicable

ADN

Transport hazard class(es) (ADN) Not applicable

RID

Transport hazard class(es) (RID) Not applicable

14.4 Packing group

Packing group (ADR)
Packing group (IMDG)
Packing group (ADN)
Packing group (RID)

Not applicable
Not applicable

14.5 Environmental hazards

Dangerous for the environment No Marine pollutant No

Other information No supplementary information available

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14.6 Special precautions for user

Overland transport

No available data

Transport by sea

No available data

Inland waterway transport

No available data

Rail transport

No available data

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content Max 0.05%

15.1.2 National regulations

Water hazard class (WGK) 1 – low hazard to waters

15.2 Chemical Safety Assessment

No additional information available

16. Other information

Data sources No data available. Other information None known.

Full text of H- and EUH-statements:

EUH208	Contains . May produce an allergic reaction
EUH210	Safety data sheet available on request

All recommendations for the use of our products, whether given by us, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control.

Notwithstanding such recommendations the user is responsible that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not

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infringe in any party's intellectual property rights.