

## preparation & application instructions

### ProJoint™ Contract SBR

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

ProJoint™ Contract 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™ Contract 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 30%
- Improves strength and workability of sand and cement mortar
- Excellent freeze : thaw resistance
- Increases water resistance and durability of mortar

#### directions for use

ProJoint™ Contract 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 ProJoint™ 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 technical 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.

**nexus**®  
PAVING SYSTEMS

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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 Contract 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 spec	: Use resulting in inclusion into or onto a matrix
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)

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## 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 -benzisothiazol-3(2H)-one, 2-methyl-4-isothiazolin-3-one. May produce an allergic reaction EUH210 – Safety data sheet available on request
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### 2.3 Other hazards

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

contributing to the classification as PBT or vPvB.  
classification

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### 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

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### 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.

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### 5. Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media	: All known extinguishants can be used.
Unsuitable extinguishing media	: None known.

#### 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.

## 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.
Other information	Comply with local regulations for disposal.

### 6.4 Reference to other sections

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

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## 7. Handling and storage

### 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
Storage temperature	5 - 40 °C
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

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

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## 8. Exposure controls/personal protection

### 8.1 Control parameters

No additional information available.

### 8.2 Exposure controls

<b>Hand protection</b>	Protective gloves made of PVC.
<b>Eye protection</b>	Goggles + face shield.
<b>Skin and body protection</b>	Not applicable. Avoid prolonged and repeated contact with skin.
<b>Respiratory protection</b>	Not applicable.
<b>Environmental exposure controls</b>	Do not discharge into drains or rivers.

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## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	: Liquid
<b>Appearance</b>	: Milky.
<b>Colour</b>	: White
<b>Odour</b>	: Weak
<b>Melting point</b>	: 0°C
<b>Boiling point</b>	: 100°C
<b>Relative Density</b>	: 1.02 kg/l @ 20°C
<b>pH Value</b>	: 8.5 – 9.5
<b>Water solubility</b>	: Soluble in water. Water: 100 %
<b>Solid content (%)</b>	: 47 – 49

### 9.2 Other information

VOC content	Max 0.05%
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## 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.

### 10.5 Incompatible materials

Materials to avoid. Strong acids.

### 10.6 Hazardous decomposition products

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

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## 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)
Serious eye damage/irritation	pH: 8.5 – 9.5 Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	pH: 8.5 – 9.5 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 exposure)	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 symptoms	None known
Other information	No additional information available.

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## 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

### 12.6 Other Adverse Effects

Other adverse effects	Unknown.
Additional information	None known.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

Regional legislation (waste)	Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.
Waste treatment methods	Refer to manufacturer's information.
Waste disposal recommendations	Treat using the best available techniques before discharge into drains or the aquatic environment.
Ecology - waste materials	Refer to manufacturer/supplier for information on recovery/recycling.

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## 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)	Not applicable
Proper Shipping Name (IMDG)	Not applicable
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	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)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

### 14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

**ProJoint Contract SBR**

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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



infringe in any party's intellectual property rights.