

## preparation & application instructions

### ProJoint™ High Performance SBR

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 durability of mortar

### directions for use

ProJoint™ 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 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 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 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<br>Unit 23 Centre Park<br>Marston Moor Business Park<br>Tockwith<br>York<br>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<br>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

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.<br>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.



### 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 |





SAFETY DATA SHEET  
according to Regulation (EC) No. 1907/2006

**ProJoint High Performance SBR**

**nexus**<sup>®</sup>  
**PRO SYSTEMS LTD**

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infringe in any party's intellectual property rights.