



Building Quality

# Builda-joint 8000 GA

## Premium Acrylic Joint and Gap Sealant

### Description:

**Builda-joint 8000 GA** is a one part, gun grade, acrylic resin based thixotropic paste that cures to a flexible and tough sealant. It is easy to apply on both horizontal and vertical surfaces. It is used to seal internal and external expansion and construction joints subject to medium movements and surface cracks in absorbent building materials.

### Typical Uses:

- Seals joints between precast concrete panels with movement up to 12.5%.
- Flexible tight seals between doors, walls, ceilings, wooden panels and insulation panels.
- Seals between concrete elements, plaster, brickwork, wood, natural stone etc.
- As a crack filler in plaster or concrete.
- Sealing joints between aluminum sheets and roof walls in roofing system.

### Advantages:

- Single component, ready for use.
- Excellent adhesion to porous building substrates such as concrete, wood, gypsum, plaster, brickwork, natural stone etc.
- Fast Drying, cures at room temperature at ambient humidity conditions.
- Flexible and does not crack at low temperatures.
- Water based, low V.O.C.
- Ultra violet resistant suitable for outdoor applications.

### Technical properties (@25°C & 50% R.H)

Applicable standards	EN15651-1
Appearance	Smooth and Pasty
Color	Grey and White
Density	1.30 ± 0.05
Application temp	+ 5 0C to 40 0C
Service temp	- 5 0C to + 80 0C
Skin formulation time	10-15 mint
Hardening time	2mm per day
Sag resistance	Excellent

Shrinkage after hardening	Approx. 15%
Shore A hardness ASTM D2240	30

Note: - Properties are based on laboratory-controlled tests.

### Instruction for use:

#### Surface preparation:

All surfaces to be sealed must be sound, clean and free from loose material or chemical products, oil or grease. Prepare the joint by hand mechanical tools to remove any contaminations or deformation. For porous or very dry substrates, it is recommended to dilute **Builda-joint 8000 GA** with water in the ratio of 1:3 by volume and apply by brush in thin coat as primer, to the sides of the prepared joint. Allow the primer to be tack free before application of the sealant. Where applicable, appropriate joint backing rod such as closed all polyethylene foam should be used to provide the joint depth equal to half width of the joint in case of wide joint. For joints with width less than 10mm, the depth of joint will be same as the width. For neat and clean job, use masking tape around the joint edges before applying the sealant.

#### Application:

**Builda-joint 8000 GA** can be applied with a chalking gun or a suitable putty knife or a spatula. Press the sealant into the joint to ensure firm and full contact with the joint surface and to avoid bubble gap. For vertical joints, inject the sealant into the joint from top to bottom. The product cures at room temperature and from surface to the inside of the sealant. The skin formulation takes place within a maximum period of 10-15 minutes. Before the skin forms, tool the sealant with light pressure to spread the sealant against the backing material and joint surfaces. Remove masking tape as soon as the bead is tooled.



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### **Curing:**

**Builda-joint 8000 GA** cures with water evaporation. The time required depends on ambient temperature and humidity. The curing rate is approx. 2-3 mm per 24 hours at 25°C and 50% RH.

High temperatures accelerate the process while greater thicknesses require maximum time for curing.

### **Cleaning:**

All tools and equipment's should be cleaned immediately after use with water. Cured material can only be removed mechanically.

### **Recommendation:**

**Builda-joint 8000 GA** is not recommended for Joints with high degree of movements.  
Damp and contaminated surfaces.  
Joints permanently exposed to water.

### **Packing:**

**Builda-joint 8000 GA** is packed in 20 kg pails.

### **Storage:**

Store in dry shaded area in the original closed container.

### **Shelf Life:**

12 months from date of production if stored as recommended.

### **Health & Safety:**

**Builda-joint 8000 GA** Should be avoid direct contact with skin or eyes. It is recommended to use protective gloves and goggles during handling and application, should be consult a doctor immediately if necessary.

### **Important Note:**

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence.

If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All BUILCHEM Datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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