

## STORAGE IN GENERAL

In the majority of products based on vulcanized rubber, storage for a certain period inevitably induces changes in the physical properties of the stored products.

Consequently, these products may not have their ultimate performance characteristics if stored for a length of time before installation (for example, an excess hardness, softening of the rubber or cracks and other surface deteriorations). These changes may result from one particular factor or from a combination of factors, namely the effect of oxygen, ozone, light, heat and humidity.

The adverse effects of these factors may be minimised by a careful choice of the storage conditions.

## PROTECTIVE MEASURES

### Storage area requirements

**Cool:** Optimum temperature is 10° C. It must not drop below 0° C nor exceed +30° C. However, should the temperature fall below 0° C, simply take the precaution of re-warming the joint slowly before handling them in order to avoid any risk of damage.

**Relatively dry:** Maintain a relative humidity between 45 and 70% as excessive dryness is harmful for the expansion joint. Temporary deviations are however allowed. For the counter-flanges (or metal parts) excessive dryness or humidity are harmful and the pieces must be protected.

**Light ventilation:** Ventilation shall be as light as possible, avoiding any draughts.

### Heating

Stoves, radiators and steam pipes should be insulated. If this is not possible, the expansion joint must be stored a good distance from these heat sources.

### Lightning

During storage, the expansion joints must not be exposed to sunlight or any other light source rich in ultraviolet radiation.

# Storage

## Trelleborg Expansion Joints

### Cleanliness

It is advisable to clean the room thoroughly before storing expansion joints.

Oil, greases and chemicals must not be stored in the same room or should at least be kept separate from the expansion joints.

## OUR EXPANSION JOINTS

### Storage precautions

- To prevent deterioration of our expansion joints, we recommend storing them away from ozone-generating sources.
- It is advisable to store them in such a way that they have no contact with the ground.
- Our expansion joints must be laid flat, on a plain surface to prevent any deformation.
- Avoid contact with any sharp object.

Under the above optimum conditions, the expansion joints may be stored for a maximum period of two years from end of manufacture. Expansion joint supplied in a packing case may be stored flat in their original packing in a warehouse for the same period of two years.

Where longer storage is scheduled, it is essential to protect the rubber portions of the expansion joints by giving them two coats in alternate directions of special CSM (hypalon based) paint, at works.

This is for spares which have been given this treatment may be stored for a **maximum total period of 5 years** under the above conditions. (The first two years, they may be stored in their packing case as for non-treated expansion joints).

**Note:** Metal parts such as tie rods and bolts are to be stored in their original packing.

As applicable, give them treatment for normal conditions of storage of metal parts, suitable for the storage area.

*Please turn!*

## Storage – Trelleborg Expansion Joints

### **For interim storage during construction work when no proper user facilities are yet available**

This storage, which will last no more than a few months, must comply with the following requirement:

- Lay the expansion joint flat on a plain surface covered with wood and a fabric or plastic protective covering.
- Store in a dry place (protected against rain, surface water and splashing).
- Cover the expansion joints to protect them from bad weather and sunlight, (light coloured fabric or plastic if storage area is exposed to sunlight).
- Provide natural ventilation (but avoid draughts and air movements).
- Take necessary precautions to avoid contact, even accidental, with chemicals, oil, grease, etc.
- Store away from sources of heat or ozone.
- Shield against malicious mischief.
- There are no reservations as to ambient storage temperatures providing they exceed 0°C.
- Where ever possible, store in the shade of a building.
- Position so that the identification marking is visible without any items having to be moved.



**TRELLEBORG**  
ENGINEERED SYSTEMS

Trelleborg Industri AB, Expansion Joints, SE-231 81 Trelleborg, Sweden.  
Street address: Henry Dunkers gata 2. Phone: +46 410 510 00. Fax: +46 410 131 93.  
E-mail: [expansion.joints@trelleborg.com](mailto:expansion.joints@trelleborg.com) Internet: [www.trelleborg.com](http://www.trelleborg.com)