



CONSTRUCTION CHEMISTRY

# Expangeo\* Adhesive

Solvent base polyurethane contact adhesive

## Uses

**Expangeo\* Adhesive** is a general purpose solvent based polyurethane contact adhesive. It is specifically formulated for the jointing or lamination of PVC hard or soft sheet, it can also be used for various types of other materials, such as plastic, rubber, wood, chipboard, hardboard, fiberglass leather etc. it provides strong and permanent bond.

## Advantages

- Single component.
- Easy to apply by brush or roller.
- Excellent bond.
- General adhesion to a variety of substrates.
- No need for primer, direct apply on prepared surface.
- High bond strength.
- Resistance to the effects of aggressive underground water.
- Reliable performance and long service life.

## Description

**Expangeo\* Adhesive** is solvent base polyurethane adhesive, design to use for the jointing of **Expangeo\* PVC** and **Expangeo HDPE** sheets, and can also be use as general adhesive.

## Technical support

Fospak provides a technical advisory service for on-site assistance and advice on selection of product, and its application.

## Application

To obtain the best possible results, the materials to be bonded should be dry, clean and free from dust, grit, loose materials, oil or grease.

Use standard paint brush for application, and apply an even coating of adhesive to both surfaces to be bonded.

Allow the solvent to evaporate before bonding the materials. On absorbent materials such as leather and chipboard, bonding may be within a matter of 2-3 minutes of application. On non-absorbent materials such as PVC, rubber, HDPE or plastic a minimum of 4-6 minutes should be elapsed before the surfaces are bonded together, (Open time of adhesive depend on ambient temperature, prior to use at site, test in laboratory to determine exact open time), contact bond the surfaces together using firm pressure.

## Properties

Appearance	: Dark blue liquid
Specific gravity	: 0.85 ± 0.02 @ 25 °C

## Coverage

**Expangeo\* Adhesive** coverage depend on substrate, normal coverage rate is 2 – 6 sq.mt. / Ltr.

## Cleaning

**Expangeo\* Adhesive** should be removed from tools, equipment with Fospak Solvent 102 or any other suitable solvent can also be used for cleaning. Cured material can only be removed mechanically.

## Limitations

**Expangeo\* Adhesive** should not be used when the temperature is below 5°C and falling or cross 45 °C. The product should not be exposed to moving water during application. If any doubt arise, concerning temperature or substrate conditions, consult your local Fospak office for assistance.



## Compatibility

**Expangeo\* Adhesive** is compatible with **Expangeo\* PVC**, **Expangeo\* HDPE**, and can also be used as general adhesive, for any assistance consult with Fospak technical department for the application procedure.

## Packaging

**Expangeo\* Adhesive** : 4.50 Ltr. Can.

## Storage/Shelf life

**Expangeo\* Adhesive** can be store under shade in original unopen packing, keep the storage are temperature below 35 °C, shelf life of **Expangeo\* Adhesive** is 12 months, if kept in a dry store in the original, unopened packing.

**Freezing point:** Not applicable

## Precautions

### Health and safety

**Expangeo\* Adhesive** falls into the hazard classifications of current regulations. However, it should not be swallowed, during use avoid inhalation of the solvent fumes and avoid contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then clean thoroughly with soap and water.

For further information consult the Material Safety Data Sheet available for this product.

## Fire

**Expangeo\* Adhesive** flammable, avoid direct contact with fire or naked flame.

## Disposal

The disposal of waste material should be carried out in accordance with local legislation under the guidance of the local waste regulatory authority.

\* Denotes the trademark of Fospak (Pvt) Ltd.

## REGIONAL SALES OFFICES IN PAKISTAN:

### Fospak (Pvt) Ltd.

#### Head Office

702, Business Avenue,  
Block-6, PECHS.  
Shahra-e-Faisal,  
Karachi, Pakistan  
Tel # +92-21-34528477, 34529859  
Fax # +92-21-34522436  
Email [info.khi@fospak.com.pk](mailto:info.khi@fospak.com.pk)

#### Lahore Sales Office

2<sup>nd</sup> Floor Sarwar Shaheed Plaza,  
Cavalry Ground,  
Main Boulevard,  
Lahore Cantt, Lahore.  
Tel # +92-42-36675773  
Fax # +92-42-36675838  
Email [info.lhr@fospak.com.pk](mailto:info.lhr@fospak.com.pk)

#### Rawalpindi Sales Office

Plot # 169, Street No. 9,  
Industrial Area I-10/3  
Islamabad.  
Tel # +92-51-4575746  
Fax # +92-51-9290590  
Email [info.isb@fospak.com.pk](mailto:info.isb@fospak.com.pk)

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