



CONSTRUCTION CHEMICALS PANEL ADHESIVE GUNNABLE PANEL ADHESIVE

PRODUCT DESCRIPTION

Construction Chemicals Panel Adhesive is a general purpose, gun grade, high bond strength synthetic rubber/resin adhesive with good gap-filling properties. It has high initial grab and can be used for fixing battens and wallboards directly onto walls without other fastenings.

- Safe and easy to apply from cartridges with integral nozzles
- Bonds a wide range of materials including wood, wall claddings and metals
- High initial grab
- Excellent gap filling properties
- Excellent bond strength

GENERAL USES

- Ideal for bonding most types of wall cladding direct to internal wall surfaces or timber battens
- Can be used for fixing battens directly onto walls without other fastenings
- Ideal for fixing rigid PVC architraves and skirtings to wall surfaces
- Can be used for bonding carpet gripper systems to most sub floors without the use of tacks or nails
- Ideal for bonding stair nosings to concrete and wood stairs
- Can be used for securing aluminium and other skin panels to the framework of portable industrial buildings and caravans

METHOD OF USE

All substrates must be dry and free from dust, grease and any loose material. Paint should be removed where the adhesive will make contact.

N.B. New concrete or plaster should be allowed adequate time to dry and mature.

Porous or friable surfaces should first be primed with a dilute solution of contact adhesive and allowed to dry. Apply the Construction Chemicals Panel Adhesive as a bead approximately 6mm diameter to one surface to be bonded and firmly press the materials together. A firm bond is achieved in about 1 hour.

TYPICAL APPLICATIONS

To bond flat panel direct to walls

Apply Construction Chemicals Panel Adhesive as a bead approximately 6mm diameter around the periphery of the panel (50mm from the edge) and in horizontal lines at approximately 450mm centres. Immediately press the panel firmly to the wall surface to ensure adequate transfer of adhesive and leave to set. A firm bond is achieved in about 1 hour.

N.B. If panel is warped, apply adhesive as described and then press the panel firmly to the wall surface and pull away immediately. This will achieve an adhesive transfer and allow quicker solvent evaporation. After 10 – 20 minutes, the panel may then be bonded into position and a contact bond achieved.

To bond stair nosings

Apply Construction Chemicals Panel Adhesive as a 6mm diameter bead to the stair nosing only – 2 or 3 beads may be necessary depending on the size of the nosing. Immediately press the nosing firmly into position to ensure adequate transfer of adhesive to the stair tread. If a higher initial bond strength is required, press the nosing into position and then pull away to effect adhesive transfer. Allow adhesive to dry apart for 10 – 20 minutes before pressing finally into position. Allow to dry for 24 hours before subjecting to traffic.

SPECIAL COMMENTS

A lower viscosity version is available.

The above figures do not constitute a specification. They represent typical values obtained for this product.

HEALTH AND SAFETY

Before using this product, ensure that you have been supplied with and have read carefully the following information:

- The hazard label (complying with CHIP Regulations 1995) applied to the container
- Construction Chemicals Material Safety Data Sheet for this product

Construction Chemicals Panel Adhesive is classed as a Petroleum Mixture and a licence is required for storage etc.

TECHNICAL DATA

Base	Synthetic Elastomer
Solids	73 – 79%
Viscosity	Viscous paste
Colour	Beige
Tack life	5 - 30 minutes
Coverage	11 metres per cartridge 6mm bead
Cleaner	Solvent 1
Flash Point	-18°C
Shelf Life	6 months at 4 – 25°C

HEALTH & SAFETY DATA SHEET

1 IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Preparation Name **PANEL GRIP ADHESIVE**
Company Identification Construction Chemicals (UK) Ltd
75 Town Green Street, Rothley, Leicester LE7 7NW
Emergency phone no: 0116 2301955

2 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient Name</u>	<u>Content</u>	<u>Health (Class)</u>	<u>Risk (R No)</u>
Toluene	7-9%	F,Xn	R11 -20
Mixed Aliphatic - Hydrocarbons	13-16%	F,Xn,N	R11-51/5365

3 HAZARDS IDENTIFICATION

Highly Flammable

4 FIRST AID MEASURES

Eye Contact - Vapour can irritate the eyes and splashed liquid can cause irritation and transient, mild conjunctivitis. Flush with water for at least 15 minutes and obtain medical attention urgently.

Skin Contact, Vapour and liquid are moderate skin irritants. Wash contaminated skin immediately with hand cleaner and soap and water.

Inhalation; Remove the affected person to fresh air. If there is difficulty with breathing give oxygen and obtain medical attention urgently.

Ingestion The main hazard of swallowing Toluene is aspiration into the lungs and consequent chemical pneumonitis. Obtain medical attention urgently. **DO NOT INDUCE VOMITING**

5 FIRE FIGHTING MEASURES

Extinguishing Media Fight fire with water spray, foam, dry chemical powder or carbon dioxide. Do not use water jet.

Explosion Hazard Risk of drums bursting in a fire causing explosion. Keep drums cool by spraying with water.

Special Exposure Hazards Toxic combustion products such as carbon monoxide and carbon dioxide may be produced.

Personal Protection Wear self contained breathing apparatus.

6 ACCIDENTIAL RELEASE MEASURES

Fire Hazard: Extinguish all naked flames and avoid sparks. Do not smoke.

Personal Protection: Avoid contact with skin and eyes and avoid breathing the vapours. Wear goggles, gloves and respiratory protection where there is a risk of exposure to high vapour concentrations.

Environmental Precautions: Prevent liquid entering sewers, basements and work pits where vapour may create an explosive atmosphere. If substance has entered drains inform police or fire service.

Clean-up of Spillages Absorb liquid in sand or earth and then remove to suitable place for subsequent disposal.

7 HANDLING & STORAGE

Precautions during Handling Avoid inhaling vapour, avoid contact with skin and eyes. Handle in well ventilated area. All storage

and transfer systems should be earthed to prevent build up of static electricity.

Precautions during Storage Store in accordance with the highly flammable liquids regulations. Temperatures in storage areas

should not exceed 25°C. Drums should always be tightly closed after use.

Packaging Materials Mild steel, stainless steel. Many plastics are unsuitable.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits -

STD	Long Term Exposure	Short Term Exposure
Toluene	OES50 ppm-188mg/m ³	150ppm-560 mg/m ³
Mixed Hydrocarbons		

Ventilation Mild steel, stainless steel. Many plastics are unsuitable.

Personal Protective Equipment

Respiratory: Ensure good ventilation by means of extraction (local exhaust ventilation) at point of use where necessary. Wear respiratory equipment where there is a risk of exposure to high vapour concentrations, i.e. above OES.

Hand Wear gloves.

Eye Wear chemical goggles.

Skin Wear protective clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Amber coloured paste
Odour	Pungent
pH	n/a
Boiling Point	Toluene Mixed Hydrocarbons 110 degC 70-90 deg C
Melting Point	N/A
Flash Point	-30 deg C (closed cup)
Flammability	Highly flammable liquid
Auto Ignition temperature	230 deg C (mixed Hydrocarbons)
Explosion Limits in Air % V/V	LEL - 0.9 UEL - 13.0
Oxidising Properties	N/A
Viscosity at 20 ⁰ C	Viscous Paste
Vapour pressure @ 20 ⁰ C KPa	2.93 Toluene 22.6 Mixed Hydrocarbons
Relative Density @ 20 ⁰ C	1.28
Solubility	(i) Water - insoluble (ii) Fat - soluble in hydrocarbons.

10 STABILITY AND REACTIVITY

Stable under normal conditions.

11 TOXICOLOGICAL INFORMATION

LD50 oral (Rat)	Mixed Hydrocarbons 5g /kg.	Toluene 5.50g/kg
LD50 Dermal (Rabbits)	Toluene not known.	Mixed Hydrocarbons 3g / Kg
LC50 Inhalation (Rats)	Mixed Hydrocarbons Not known	Toluene 4600 ppm
Effects of Exposure		
(i) Eyes	May cause conjunctive irritation.	
(ii) Skin	Mild irritant but prolonged contact can cause more severe effects.	
(iii) Inhalation	Irritation of the respiratory tract. High concentrations may depress CNS with loss of consciousness.	
(iv) Ingestion	Low acute toxicity, may cause gastro intestinal irritation and CNS depression leading to unconsciousness. Aspiration into lungs may cause chemical pneumonitis and lung damage.	

12 ECOLOGICAL INFORMATION

Mobility	Not known
Persistence and Degradability	Toluene is readily biodegradable. It will float on water but evaporates rapidly.
Bioaccumulation	Toluene has low potential to bioaccumulate.
Ecotoxicity	Toluene is only slightly toxic to aquatic organisms but harmful to mammalian wildlife.

13 WASTE DISPOSAL

Waste Disposal Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980. Non-recoverable waste should be disposed of via a licensed waste disposal contractor. Dried material is non-hazardous.

14 TRANSPORT INFORMATION

UN No. 1133
CDG/CPL Label for Conveyance Highly Flammable

15 REGULATORY INFORMATION

CHIP Regulation 9	
Label for supply	Highly Flammable
Classification	F
CHIP Risk Phrases	Ri I Highly Flammable
CHIP Safety Phrases	S9 Keep containers in a well ventilated place S16 Keep away from sources of ignition. NO SMOKING S23 Do not breathe vapour S25 Avoid contact with eyes S51 Use only in well ventilated areas S60 This material and/or its containers must be disposed of as a hazardous waste.
Regulatory References at Work	CHIP Regulations 1996, Highly Flammable Liquid Regulations 1972, Health and Safety Act 1974, COSHH Regulations 1994.

16 OTHER INFORMATION

User Notes
recommendations.
Information Sources

This adhesive should be used in accordance with the suppliers

CHIP Approved Supply List
CHIP Approved Guide to the Classification and Labelling of
Substances and Preparations dangerous for supply
CDG/CPL Regulations 1994
Raw Material Suppliers Literature
Occupation Exposure Limits (EH40)