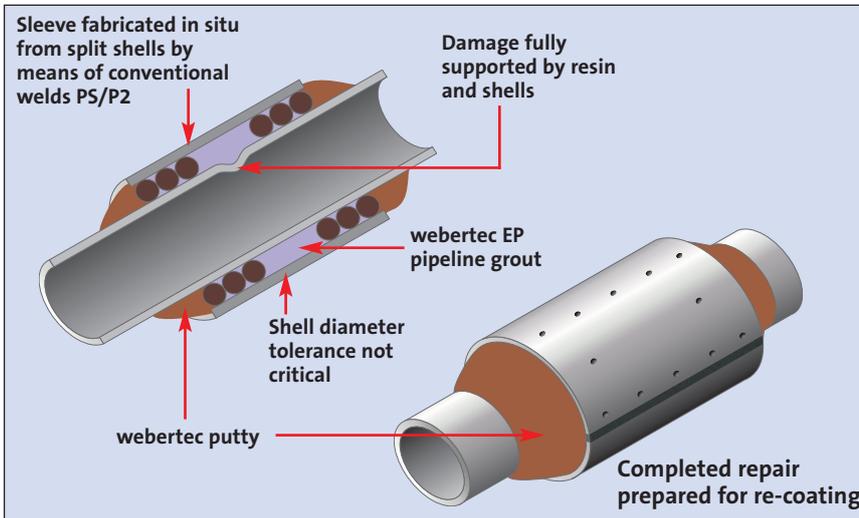


**Rapid-setting resin adhesive and mastic for sealing ends of pipeline sleeved joints**

# webertec putty



## Uses

- Sealing of pipe ends

## About this product

**webertec putty** is a polyester resin based rapid setting mastic. Speed of set coupled with high initial grab make this an exceptional material for a wide range of bonding and sealing jobs for vertical or overhead fixing. It is available in Rapid Grade for cold weather working and Standard Grade for temperatures up to 40°C. It is also used to seal the ends of pipeline jointing shells prior to grouting of the annular gap. Can be applied at 1 mm to 10 mm thickness.

## Features and benefits

- ▲ Rapid setting, allowing fast installation
- ▲ High initial bond, providing excellent adhesion
- ▲ Rapid grade permits work at low temperatures during winter working
- ▲ Part mixing by volume allows economical use of material – minimal wastage
- ▲ Impervious to water, allowing use in exposed weather conditions
- ▲ Excellent bond to clean abraded steel

## Technical data

		Rapid Grade		Standard Grade	
		5°C	10°C	15°C	20°C
Compressive strength (MPa)	1 hour	35	45	55	80
	4 hour	90	100	110	115
	24 hour	115	115	120	120
Tensile strength (MPa)	24 hour	9	10	10	12
Flexural strength (MPa)	24 hour	25	28	27	30
Modulus of elasticity, flexural (kN/mm <sup>2</sup> )	24 hour	7.5	8	8	9
Bond strength to concrete (MPa)	Failure of substrate in all cases				
Bond strength to steel (MPa)		8.5	10	8	10

**Working time** (Figures given below are approximate)

Ambient temperature	Standard grade	Rapid (winter) grade
0°C	–	40 minutes
5°C	–	30 minutes
7°C	Do not use below 10°C	25 minutes
10°C	55 minutes	20 minutes
15°C	45 minutes	15 minutes
20°C	30 minutes	Do not use
25°C	20 minutes	Do not use
30°C	15 minutes	Do not use
35°C	12 minutes	Do not use
40°C	8 minutes	Do not use

Once cured, the material is suitable for service conditions of +60°C.

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## Preparation

All surfaces must be mechanically sound, dry and clean, i.e. free from dirt, dust, paint, grease, or any other contamination or coating. Laitance must also be removed from concrete.

Steel surfaces should be abraded to remove all traces of rust.

## Mixing

Wear gloves when mixing **webertec putty**. Mix in the following proportions: 1 cup Resin to 3 cups Powder Hardener. Pour the Resin into the bucket. Gradually stir in the Powder Hardener and thoroughly mix until a smooth consistency and a uniform colour are achieved. Do not mix or place more than 3 cups of Resin at a time. Mix in a clean, dry plastic or rubber bucket, using a suitable stirrer such as a spatula or flat piece of timber.

Ensure the bag of hardener is re-sealed tightly after each use.

## Cleaning

Clean all tools and equipment with **webertec solvent** before the material sets.

## Packaging and yield

**webertec putty** is available in a 14.3 kg pack which yields a volume of 8 litres. It contains 1 can of Resin, 1 bag of Powder Hardener and 2 measuring cups allowing for part volume mixing into about 14 splits.

## Storage and shelf life

Shelf life in correct storage is at least 6 months when stored in cool dry conditions out of direct sunlight.

## Application

**webertec putty** must be used immediately after mixing.

To achieve economy do not mix more material than can realistically be applied within the time scale.

Apply firmly in contact with both surfaces to be bonded, building up the thickness and levelling off as the work proceeds. Bring together firmly. Support will be needed for heavy units after jointing until the putty has set hard.

When sealing the ends of pipeline sleeves, apply the putty liberally into the gap to ensure a good seal then finish off at 30° (see Figure 2).

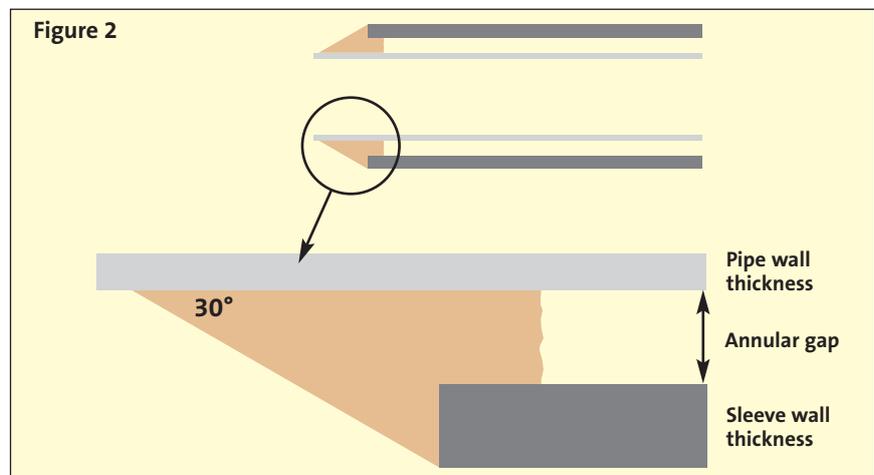
## Precautions

**webertec** products will not adhere to some plastics, rubber, glass or glazed surfaces; use **webertec EP** range or contact our Technical Department.

**webertec putty rapid:** do not use above 17°C.  
**webertec putty std:** do not use below 10°C.

For applications above normal ambient temperatures, under dynamic or sustained loads or when there is a fire risk, please consult our Technical Services Department for advice.

Mix and use only in well ventilated areas.



## Health and safety

In the paste state, **webertec putty** is flammable, with a flash point of 31°C. The material can be handled safely and easily, provided that proper site cleanliness is observed. Operatives are advised to avoid direct contact by using barrier creams and

protective clothing. In the event of contamination the product should be removed with soap and water or proprietary cleansing creams. Working areas should be well ventilated.

In the event of fire, use foam, dry chemical, carbon dioxide (CO<sub>2</sub>), or water fog extinguishers. For applications in service above normal UK ambient temperatures (i.e. up to 40°C), under sustained or dynamic loads or when there is a fire risk, please contact our Technical Department for further advice.

**For further information, please request the Material Safety Data Sheet for this product.**

### Technical services

Weber's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

**Technical helpline**  
Tel: 08703 330 070  
e-mail: technical@netweber.co.uk

### Sales enquiries

Weber products are distributed throughout the UK through selected stockists and distributors. Please contact the relevant Customer Services Team below for all product orders and enquiries.

**UK and Ireland**  
Tel: 08703 330 070  
Fax: 0800 014 2995  
e-mail: sales@netweber.co.uk

**Saint-Gobain Weber**  
Dickens House, Enterprise Way, Maulden Road, Flitwick, Bedford MK45 5BY, UK  
Tel: 08703 330 070 Fax: 0800 014 2995 e-mail: mail@netweber.co.uk  
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