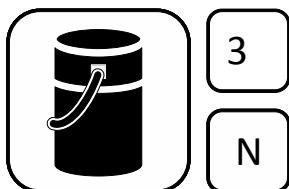


Wecryl Elastic Joint



Brief description

Wecryl Elastic Joint is a high-quality, fast-curing, pre-formulated, reactive waterproofing material based on elasticised polymethyl methacrylate (PMMA) that can be cold-applied and that has thermoplastic properties. The yellowish, almost colourless jointing compound is pigmented on site with the appropriate paste.

Material

2-component, fast-curing PMMA-based jointing and waterproofing material

Properties and advantages

- Easy and fast application
- Permanently flexible
- Good adhesion to the joint flanks
- Can be used for joints up to 15 mm wide
- Totally hydrolysis- and ozone-resistant, high level of resistance to acids and bases
- Versatile in its application
- Wide range of design options

Areas of application

Wecryl Elastic Joint is used as an elastic sealant for horizontal and lightly sloping surfaces exposed to a high level of mechanical stress in interior and exterior applications (up to joint widths of approx. 15 mm).

The uses of Wecryl Elastic Joint include that of joint filler, waterproofing and bonding material on installations such as manhole covers, joint profiles, rails, channels, posts, lighting units etc. Wecryl Elastic Joint is also used as an expanding embedding compound for induction loops as well as for surfacing and connection joints in roads and on industrial flooring. Once cured, the surface is non-tacky. The pigmenting facility allows a wide range of design options

Packaging



Summer:

4.75 kg	Wecryl Elastic Joint
0.25 kg	Pigment paste
<u>0.10 kg</u>	Catalyst (1 x 0.1 kg)
5.10 kg	

Winter:

4.75 kg	Wecryl Elastic Joint
0.25 kg	Pigment paste
<u>0.20 kg</u>	Catalyst (2 x 0.1 kg)
5.20 kg	

Summer:

9.50 kg	Wecryl Elastic Joint
0.50 kg	Pigment paste
<u>0.20 kg</u>	Catalyst (2 x 0.1 kg)
10.20 kg	

Winter:

9.50 kg	Wecryl Elastic Joint
0.50 kg	Pigment paste
<u>0.40 kg</u>	Catalyst (4 x 0.1 kg)
10.40 kg	

Colours

Wecryl Elastic Joint is supplied as standard as a yellowish, almost colourless material. A pigment paste, available in many RAL shades, is supplied separately; at 0.5 kg it is the exact amount required for 9.50 kg of product. For the smaller containers of Wecryl Elastic Joint the pigment paste must be divided into exactly half the amount.

Storage

Store products sealed in their original airtight container and in a cool, dry and frost-free place. Unopened products have a shelf life of at least 6 months. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight.

Application conditions



Temperatures

The product can be applied within the following temperature ranges:

Product	Temperature range, in °C		
	Air	Substrate*	Material
Wecryl Elastic Joint	+3 to +35	+3 to +35*	+3 to +30

* The substrate temperature must be at least 3 °C above the dew point of the ambient air during application and curing.

Humidity and moisture

The relative humidity must be ≤ 90 %.

The surface to be coated must be dry.

The surface must be protected from moisture until the coating has hardened.

Please refer to the appropriate application guide for information about correct surface preparation.

Reaction times and required amounts of catalyst

	Wecryl Elastic Joint (at 20 °C, 2 % catalyst)
Pot life	approx. 10 minutes
Rain-proof	approx. 30 minutes
Can be walked on / overcoated	approx. 1 hour
Curing time	approx. 3 hours

Higher temperatures or greater proportions of catalyst will reduce reaction times, while lower temperatures and smaller proportions of catalyst will increase reaction times.

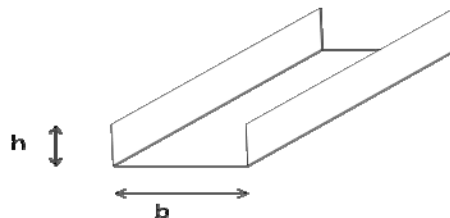
The following table indicates the recommended amount of catalyst required to adjust the curing reaction to the temperature.

Product	Substrate temperature in °C; required amounts of catalyst in % w/w (guide)										
	+3	5	10	15	20	25	30	35	40	45	50
Wecryl Elastic Joint	4%	4%	4%	2%	2%	2%	2%	2%	-	-	-

Consumption

Breadth x height x 100 cm x density/1000 = kg consumption per linear metre

$b \text{ [cm]} \times h \text{ [cm]} \times D \text{ [g/cm}^3\text{]} / 10 = \text{kg/per linear metre}$



Example

$h = 3 \text{ cm}$

$b = 1.3 \text{ cm}$

$3 \text{ cm} \times 1.3 \text{ cm} \times 100 \text{ cm} \times 1.21 \text{ g/cm}^3 / 1000 = \mathbf{0.47 \text{ kg per metre of joint}}$

Conclusion: One 9.50 kg container is sufficient for approx. 20 linear metres of joint

Technical data

Density:	$1.21 \pm 0.02 \text{ g/cm}^3$
Viscosity at 23 °C:	$50 \pm 10 \text{ mPas}$
Shore A hardness:	72 ± 4

Product application



Application equipment / tools

For mixing the product:

- Twin-paddle stirrer

For applying the product:

- Watering can
- Brush

Substrate preparation

It is essential that the substrate is properly prepared by abrading with ZEC discs, or sand-blasting. All contact surfaces must be kept free from adhesion-reducing contamination. The usage-specific dimensions of the joints must be taken into account.

Primers:

For absorbent, open-pore, cementitious substrates, e.g. concrete:

Wecryl Primer 122/276/298

For asphalt substrates:

Wecryl Primer 222/298

Metal:

Wecryl WMP 713



Mixing

Stir the tub contents thoroughly before adding the appropriate pigment paste. Then add the catalyst while stirring with a slow-speed mixer and mix in everything for approx. 2 minutes, making sure that all the material on the base and around the edges of the container is mixed in. Wear safety glasses during the mixing process.

At product temperatures < 10 °C the product should be stirred for 4 minutes, as the catalyst will take longer to dissolve.

Application

If an extra-neat finish is required, mask the edges of the joint with PE tape. Carefully pour the mixture into the joint to be waterproofed.

Cleaning

If work is interrupted or when it is completed, clean the tools thoroughly with WestWood Cleaning Agent within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the Cleaning Agent has evaporated fully.

Simply immersing the tools in the cleaning agent will not prevent the material from hardening.

Information on safety and risks

Please refer to the safety data sheet for the product used.

General information

The above information, especially information about application of the products, is based on extensive development work as well as many years of experience and is provided to the best of our knowledge. However, the wide variety of requirements and conditions on site mean that it is necessary for the product to be tested to ensure that it is suitable for the intended purpose. Only the most recent version of the document is valid. We reserve the right to make changes that reflect advances in technology or offer improvements to our products.

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