

## TECHNICAL DATASHEET

### EuroCast 4

2 Component Fast-Cast System Low viscosity, quick through-curing

#### Main features

- low-viscous
- easy to process
- low shrinkage
- good through-curing
- very good cost-performance ratio

#### Applications

- production of negatives/positives
- universally for all kinds of moulds and patterns

#### Properties in the non-crosslinked state (approx. values)

		EC 4 Part A	EC 4 Part B	Mixture, unfilled	Mixture, filled
Colour		beige	brown		
Mixing ratio	p.b.w.	100	100	-	300
Density 20 °C	g/cm <sup>3</sup>	0.95	1.20	1.08	1.6
Viscosity mPas	room temperature	75	35	50	1500
Pot life min	room temperature			3 - 4	4 - 5

#### Mechanical and other specifications (approx. values)

			Mixture, unfilled	Mixture, filled
Hardness	Shore D	DIN 53505	70	80
Colour			beige	beige
Tensile strength	MPa	DIN 53455	33	-
Tensile elongation	%	DIN 53455	8	-
Flexural strength	MPa	DIN 53452	55	-
Bending elongation	%	DIN 53452	-	-
Modulus in flexure	MPa	DIN 53457	1100	2950
Impact strength	KJ/m <sup>2</sup>	DIN 51230	15	5
Compressive strength	MPa	DIN 53454	-	-
Linear shrinkage	%	500 x 50 x 25 mm	-	0.15
Demouldable at 25 °C	hours		0.5 - 1	1 - 2

#### How to process the material

Before use, mix EC 4 Parts A/B thoroughly until the compound has got a homogeneous appearance. Mix both components with each other at room temperature (> 18°C) according to the indicated mixing ratio. Before casting make sure that parts and moulds are free from humidity and non-

## TECHNICAL DATASHEET

### EC 4

2 Component Fast-Cast System Low viscosity, quick through-curing

vaporized release agents.

For layer thicknesses of > 5 mm, we recommend the use of fillers. We also recommend sharing out the quantity of fillers between both components.

---

#### **Form of delivery**

---

EC 4 Parts A/B

1 kg, 10 kg (further delivery sizes on request)

---

#### **Storage**

---

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

---

---

#### **Measure of precaution**

---

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological, and other data relating to safety, to inform themselves on the safe handling and storage of products.

---

*Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.*