

## 9350 Casting compound PUR

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### Product description

**PUR9350 CASTING MATTER** from Dutch Resin Group is a **two-component, solvent-free casting compound based on polyurea**. The product cures very quickly and is **walkable and ready for overcoating after approximately 3 hours**. Thanks to its **high flexibility**, the casting compound possesses **increased crack resistance** and offers excellent **shock and impact resistance**, resulting in a durable and mechanically robust seal/finish.

### Product details

<b>Packaging size</b>	<b>Set size</b>
10 kg / 8 Liters	A-component 7.50 kg B-component 2.50 kg
20 kg / 16 Liters	A-component 15.00 kg B-component 5.00 kg
<b>Hardness</b>	Shore A 50
<b>Appearance</b>	Black, Glossy
<b>Shelf life</b>	12 months after the production date when stored at normal temperature (15 °C). See more under <i>storage</i>

### Product features

- Two-component reactive casting compound
- Very fast curing
- Solvent-free (100% solid)
- High lasting flexibility
- Hardness: Shore A 50
- Excellent crack-bridging properties
- High shock and impact resistance
- Good chemical and moisture resistance
- Durable and wear-resistant end result

### Areas of application

- Vibration and noise damping in railway rail systems (embedded rail, ballastless track)
- Flexible rail and crane track fillings in industrial installations
- Dynamically loaded expansion joints in concrete and steel structures
- Crack-bridging seals in precast concrete and tunnels
- Shock-absorbing fillings under machines and installations
- Flexible joint sealing in parking decks and bridge decks
- Protective encapsulation of cables and pipelines in infrastructure applications
- Sound- and vibration-dampening cast layers in utility and infrastructure projects

### Technical specifications

Similar mass (density)	1.25 kg/d m <sup>3</sup>
Mixing ratio	75.0 A Weight 25.0 B Weight
Consumption	Depending on volume.
Processing time	Approximately 15 minutes. *
Dust dry	After 2 hours *
Walkable	After 3 hours *
Recoatable	After 3 hours, apply the next layer within 24 hours. *
Fully loadable	2 days
Adhesion strength (n/mm <sup>2</sup> )	>1.5
Viscosity ( mPa.S )	1200 – 2200
Solid content	100%
Hardness (Shore)	A50

At normal temperature of 20°C.

### Product processing conditions

Subsurface temperature	Minimum 10°C, maximum 25°C, Optimal 15°C
Ambient temperature	Minimum 10°C, maximum 25°C, Optimal 15°C
Subsurface moisture content	Moisture < 4%
Relative humidity	Maximum 70% RH
Dew point	at least 3°C above the dew point.
Pay attention	These conditions apply to both the processing and curing of the product. Ensure adequate ventilation in the room.

### Work and environmental protection

Solvent-free. Non-flammable. Component A: Contains polyurea : Component B: contains isocyanate

Read the safety instructions on the label and the safety data sheet. Odorless after curing, ecological and physiologically risk-free.

Environmentally hazardous in liquid state; therefore, do not allow it to enter the sewer, open water, or soil. Hazard/safety instructions on the can label and the safety data sheet must be observed, among others. After curing, odorless and ecologically and physiologically harmless.

### Removal of material

Uncured product residues. Do not allow to enter sewers, open water, or soil. These uncured components are chemical waste. Cured components are classified as construction waste.

### Subsurface preparation

The substrate must be dry, clean, and free of dust, grease, and other contaminants. Depending on the type of substrate and the required application speed, a suitable primer is applied.

The DTM AC primer is used for metal substrates. For DTM (Direct to Metal) applications, the surface must be mechanically roughened beforehand. This involves using cutting discs to create grooves in the metal to establish a sufficient mechanical anchor profile. Subsequently, the DTM AC primer is applied evenly.

Polyaspartic 9750 Primer

is applied when rapid curing is necessary . If speed is not a requirement, the EP1100 epoxy primer can be used as an alternative.

Both primers should be sprinkled with dry, clean quartz sand upon application to ensure optimal adhesion of subsequent coats.

The correct choice of primer and substrate preparation determine the durability and performance of the entire system.

### Storage and shelf life

The product must be stored dry at temperatures of at least 10 and at most 25 degrees. Under these conditions, the shelf life of an unopened package is at least 12 months.