

**austropox<sup>®</sup>**

**Acrylic polymer  
concrete replacement**

**austropox<sup>®</sup> SRX-4**





**Areas of application:  
Blowouts and defects  
for concrete surfaces  
subjected to very high loads  
that must be ready for truck traffic  
after approx. 30–60 minutes**

# Acrylic polymer concrete replacement

## Product description:

### **austropox® - SRX-4:**

Extremely rapid-curing acrylic polymer concrete replacement with special additives and graded particle size distribution with a **maximum grain size of 4 mm**.

### **austropox® - SRX-Primer:**

Extremely rapid-curing **primer with integrated corrosion protection** for a perfect bond between substrate and SRX system.

### **Technical data (ÖNORM EN 13892-2):**

#### **SRX-4 - Mortar:**

Density:	approx.	2.13 kg/ dm <sup>3</sup>
Compressive strength:	>	90.0 N/mm <sup>2</sup>
Flexural strength:	>	24.0 N/mm <sup>2</sup>
Static modulus of elasticity:	<	25,000 N/mm <sup>2</sup>
Consumption/m <sup>2</sup> :		see density

<b>Minimum layer thickness:</b>	<b>15 mm</b>
<b>Maximum layer thickness:</b>	<b>75 mm</b>

Processing time (10°C)*:	approx.	10 minutes
Processing time (20°C)*:	approx.	10 minutes
Processing time (30°C)*:	approx.	5 minutes
Substrate temperature:		> + 0° C
Curing time (20°C)*:	approx.	30 minutes

\* Depending on the quantity of BPO used

Shelf life:	12 months
Available colours:	grey
Container sizes:	22.00 kg

#### **austropox® SRX - Primer:**

Density:	approx.	1.10 g/ cm <sup>3</sup>
Shore hardness:	approx.	87 D
Initial viscosity (20°C):	approx.	150 mPas
Solid content::		100 %
Consumption/m <sup>2</sup> :	approx.	0.50 kg

<b>Minimum layer thickness:</b>	<b>Comprehensive wetting effect</b>
<b>Maximum layer thickness:</b>	<b>-</b>

Processing time (10°C)*:	approx.	15 minutes
Processing time (20°C)*:	approx.	10 minutes
Processing time (30°C)*:	approx.	5 minutes
Substrate temperature:		> + 0° C
Mortar application:		after curing

\* Depending on the quantity of BPO used

Shelf life:	12 months
Available colours:	yellowish
Container sizes:	5.00 kg

## Properties and benefits:

Fully resilient after a very short time  
Cures extremely quickly even at low temperatures  
Suitable for the highest point loads  
Optimised complete system  
Impact-resistant

Completely frost-resistant  
Completely resistant to de-icing salt  
Very high abrasion resistance and tensile bond strength  
Excellent resistance to acids and alkalis  
Solvent-free

## Application examples:

Refurbishing concrete road surfaces  
Frost heaves in concrete

Blowouts in concrete  
Defects in concrete

## Processing instructions:

### Requirements:

Clear any loose material off the surface. The surface must be stable, clean, dry and free of dust, oil and other separating substances. In winter, the substrate can be easily dried off using a blowtorch. Exposed reinforcing bars must be prepared to surface preparation grade SA 2 ½ in line with DIN EN ISO 12944-4. Use masking tape to mask off any areas that should not come into contact with austropox® SRX-4.

### Applying the primer:

Pour the austropox® SRX Primer into a mixing vessel, add the included powdered hardener and mix for approx. 1 minute using an electric agitator until it reaches a homogeneous consistency. Add 1 measuring spoon (= approx. 50 grams) of the included powdered hardener for every litre of austropox® SRX Primer. As quickly as possible, brush or roll the mixed primer onto the prepared surface. Consumption/m<sup>2</sup> approx. 0.50 kg. **The primer cures in approx. 15–30 minutes. Once it has cured, you can begin applying the mortar.**

### Mixing procedure:

Tip the austropox® SRX-4 filler components into a clean bucket/free fall mixer/compulsory mixer, shake the included canister well, add the contents to the filler and mix to a homogeneous consistency. Then add 1–2 measuring spoons (= approx. 50 - 100 grams) of the included powdered hardener and mix again thoroughly for at least 2 minutes. Ensure that the mixture does not contain any lumps or chunks and mix in the material from the base and sides of the mixing vessel. If you are mixing the material in the supplied bucket, it is advisable to decant the material into another vessel at least once during the mixing process.

**Do not add any water! The mixing times must be strictly observed!**

**Do not forget to add the powdered hardener! If it is not added, the material will never cure!**

### Applying the mortar:

Immediately apply the mixed mortar to the prepared surface, distribute it evenly and thoroughly compact and smooth the mortar manually using a smoothing trowel. Ensure that the final surface structure is closed. Remove the masking tape immediately after applying the mortar. Work quickly.

## Humidity and dew point:

The air must have a relative humidity of  $\leq 90\%$ .

The substrate must be dry and free of ice.

During processing and curing, the substrate temperature must be at least 3°C above the dew point.



## Other:

### Occupational health and safety, rain protection, cleaning tools and fillers:

When processing reactive resin mortars, the latest version of the safety data sheets must be observed.

The surface must be protected from rain until it has hardened.

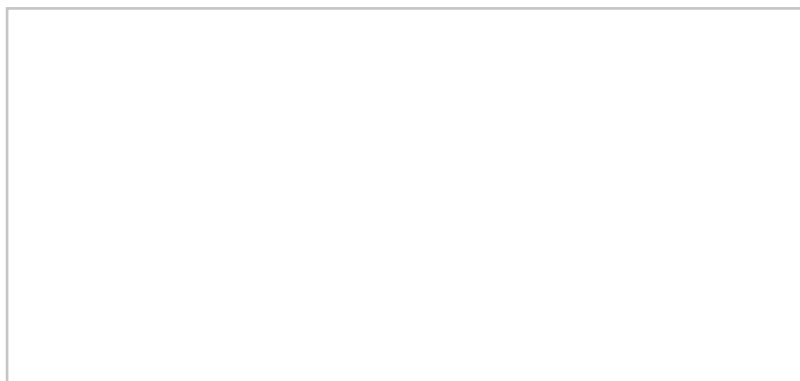
The rain protection must not lie directly on the surface – leave a gap to allow air to circulate.

Clean tools using austropox® cleaner before the compound cures. Once the compound has cured, tools can only be cleaned mechanically.

All fillers are natural products whose colour may vary naturally.

**■ MADE**  
**■ IN**  
**■ AUSTRIA**

**In collaboration / cooperation with:**



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