

Ready Rep®

A multi-purpose, fast setting high strength two-component repair mortar

Key Benefits Summary:

- Tough - It can withstand a lot of traffic without any adverse effects
- Fast setting
- Flexible application; can be used to solve many problems
- Reliable and consistent
- Long durability
- High performance; can be used in situation that are extreme

Product Information:

Description:

Ready Rep® is a two-component repair mortar based on a methyl methacrylate liquid resin which acts as the binder and a mix of specially graded quartz aggregate and powder additives.

Usage:

Ready Rep® has been designed for use as a fast and durable repair mortar to be used to repair damages, holes and imperfections in concrete substrates. Can also be used in machine bases, joint arrises, drill and bolt holes etc.

- The Ready Rep® 801 version for use when the substrate temperature is between 0° C and +30° C
- The Ready Rep® 802 version for use when the substrate temperature is between 0° C and -20° C

Consumption:

21kg/0.01m³ or 2.1 kg/litre.

Packaging:

Powder component: 17.8 kg sack
Liquid component: 2.2 kg metal pail

Shelf Life:

6 months when stored in a cool and dry place and in originally closed packaging. The optimal storage temperature is 15-20°C.

Technical Information:

Ready Rep® powder component

Powder density: 1250-1350kg/m³ ISO 6782

Ready Rep® liquid component

Viscosity, 20°C: < 1 mPa*s DIN 53018
Density, 20°C: 0.94 g/ml ISO 2811
Flash Point: +11.5°C ISO 1516

Ready Rep® System

Pot life at 20°C 15 min.
Curing time at 20°C 30 min.

Technical Characteristics (cured state)

Density, 20°C	2.12 g/cm ³	ISO 1183
Compressive Strength:	100 N/mm ²	DIN 53454
Tensile Strength:	16.5 N/mm ²	ISO 527
Elongation at fracture:	0.3%	
Bending strength:	28 N/mm ²	DIN 3452, 64 mm

Please note that an objective comparison with other data is only possible if norms and parameters are identical.

Usage Guidelines:

Substrate Preparation:

The substrate must be dry, firm, solid and free of dust, fat, oil and laitance. All loose particles must be removed. Before application of Ready Rep, porous substrates should be pre-treated with Duracon 101 primer, which should be applied until a continuous primer resin film is obtained, onto which dried fine quartz sand is broadcast.

The primer prevents the absorption of the resin binder component of Ready Rep into the porous substrate, which if happens, disturbs the polymerisation process and affects final technical characteristics of the Ready Rep in the cured state. For further details, consult your Equus Representative.

Application:

The Ready Rep powder component must be mixed together with the Ready Rep liquid component to create a homogeneous mixture that can be applied with the help of a trowel or a wooden float at a minimum thickness of 6 mm.

The proportions of the mixture in parts weight liquid: powder is 1 : 8

The proportions of the mixture in parts by volume liquid: powder is 1 : 5.8.

These weight and volumetric relations must always be respected, especially if partial mixes are made, although we do not recommend making partial mixes.

When the mixture is too liquid for application, up to 15% (based on total weight) Duracon SNL powder can be added.

When applying the Ready Rep in layer thickness greater than 25 mm, the following mix ratios should be used.

Ready Rep	Amount in kg	Minimum layer Thickness / mm
Powder component	17.8	6
Liquid component	2.2	
Powder component	17.8	25
Liquid component	2.2	
Quartz sand 2-8 mm	8.0	
Powder component	17.8	50
Liquid component	2.2	
Quartz sand 2-8 mm	3.0	
Quartz aggregate 8-16 mm	12.0	
Powder component	17.8	25
Liquid component	2.2	
Quartz sand 2-8 mm	4.8	
Quartz aggregate 8-16 mm	6.4	
Quartz aggregate 16-32 mm	8.0	

Addition of sand and aggregate in quantities other than these given in the table above are not recommended, and should be

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PRODUCT
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SHEET

tested prior to use.

Ready Rep 801 is applied between 0° C and +30° C

Ready Rep 802 is applied between 0° C and -20° C

For further details contact your local Equus Representative.

Health & Safety:

For the powder component only there are no special precautions to observe.

For the liquid component and for the freshly mixed system are to observe: suitable protective clothing, gloves and safety goggles must be worn during mixing and application of Ready Rep. In case of contact with eyes rinse immediately for a long period of time and consult a physician. In case of contact with skin clean immediately with water and soap.

Ready Rep is highly flammable; keep away from heat and all sources of ignition and do not smoke. The stirrer as well as all the other electrical appliances used on the application site must be explosion-proof versions.

For further information see our Material Safety Data Sheet.

Guarantee:

RPM/Belgium N.V. and Alteco Technik GmbH warrant all goods to be free from defects and will replace materials proven to be defective.

The information and recommendations herein are believed by RPM/Belgium N.V. and Alteco Technik GmbH to be accurate and reliable.

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