

BUILDA REP S62



We Create Better Future

Travel Grade Overhead, Concrete Repair Mortar

Description:

Buida Rep S62 is a polymer cementitious repair mortar for overhead concrete and masonry repair mortar. It sets rapidly to allow quick, easy repairs for concrete surfaces both inside and outside. It is a two-component mortar designed for trowel applied repairs.

Uses:

Buida Rep S62 is suitable for a structured concrete repair as well as general patching to concrete and masonry of the following.

- Vertical and overhead patching of spalled concrete
- Resurfacing damaged concrete
- Repair honeycombed concrete
- Parking structures and bridges
- Ceilings and sloped surfaces
- Retaining walls and large placements

Advantages:

- Fast setting for rapid repairs up to 100mm thickness.
- Easy to use as prepacked kit
- Excellent resistance to freeze cycling and de-icing salts.
- Suitable for both interior and exterior applications.
- Excellent bond to sound concrete
- High compressive strengths and bond

Technical properties (@25°C & 50% R.H)

Applicable Standards:	ASTM C1059-86, Type II
Basis-2 Comp	Comp. A- Cementitious dry mix powder blend Comp. B –Co-polymer Dispersion
Color	Grey
Mixed density	2.18 Kg/Liter
Applicable temp	+5°C - + 35°C
Workability	approx. 20-30 minutes

Note:- Properties are based on laboratory-controlled tests.

Compressive Strength

ASTM C-109 50 mm cubes

<u>Age</u>	<u>Strength</u>
1 day	4000 psi
3 days	5000 psi
7 days	6000 psi
28 days	6500 psi

Bonding Strength

ASTM C-1042

<u>Age</u>	<u>Strength</u>
1 day	1120 psi
7 days	1440 psi
14 days	1760 psi

Flexural Strength

ASTM C-78

7 days	1500 psi
Working time	10 Min

Instruction for use:

Surface preparation:

New concrete must be a minimum of 3 days old. The old concrete must be clean and rough. All oil, dirt, debris, paint and unsound concrete must be removed. The surface must be prepared mechanically using a scabber, bushhammer, shotblast or scarifier which will give a surface profile of a minimum 3 mm and expose the coarse aggregate of the concrete. The final step in cleaning should be the complete removal of all residue with a vacuum cleaner or pressure washing.

All concrete must possess an open surface texture with all curing compounds and sealers removed.

Exposed Reinforcing Steel - Exposed rebar may be treated with an anti-corrosion coating such as ZINCRICH PRIMER.

Remove all loose rust and scaling, preferably by sandblasting to white metal prior to coating the rebar.

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Mixing:

Builda Rep S62 Small quantities may be mixed with a drill and “jiffy” mixer. Use a paddle type mortar mixer for large jobs.
Working Time of 10 Minutes, do no mix more material than can be used in that time frame.

Application:

Apply Builda Rep S62 while the bond coat is still wet. Trowel Builda Rep S62 material on to the prepared surface being repaired. Trowel flush with surface and allow to stiffen. Finish to match the surrounding concrete surfaces.
Clean tools immediately after use with water.

Curing:

The repaired area shall be cured in accordance with good concrete curing practice and protected from drying winds, sun or excessive heat. Curing shall be done with Builda Cure AR an acrylic curing compound. Alternatively, a wet hessian cloth covered with polyethylene sheet taped down at the edges can also be employed. Curing should begin as soon as the final finish is achieved.

Cleaning:

Tools and equipment's must be cleaned with clean water immediately after use. Cured material can only be removed mechanically. Tool used with **Builda ZINC EP**, **BUILDA Rep S62** must be cleaned with **Builda Solvent** before the material cure.

Yield:

One unit of Builda Rep S62 will cover approximately 2 m² when placed at an average depth of 6 mm

Packaging:

Builda Rep S62 supplied as a 24 kg bag of dry powder and 1 gallon (4.2 liter) of Builda Rep S62 Liquid in a matched bag and jug unit. Yield 0.014 m³ per 28 kg unit.

Storage and Shelf life:

BuildaRep S62 has a shelf life of 12 Month from date of manufacturing when kept in dry storage under shed in original unopened bags.

Health and Safety:

Builda Rep S62 can be harmful to skin as it contains chemical powder which may release alkalis when mixed with water.

During application wear appropriate protective clothing, goggles, gloves, and respiratory equipment if necessary.

- In case of contact with skin, rinse with water and again wash thoroughly with soap and water.
- In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.
- If ingested, obtain medical attention immediately.
- Do not induce vomiting.

Refer to product safety data sheet for further details.

Important Note:

The information contained herein is to the best of our knowledge true and accurate and is given in good faith, based on practical experience and applied testing Site or application – specific conditions may vary from those described here and thus the correct and successful use of the product is beyond our sphere of influence. If in doubt, the user should therefore first carry out sufficient tests to ensure the product is suitable. Legal liability cannot be accepted, either solely based on the content of this information sheet or any verbal advice given.

All **BuilChem** Datasheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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One unit of REPCON S will cover approximately 2 m² when placed at an average depth of 6 mm

Note : This product requires a curing compound which must be ordered separately. Refer to the