

BETONAMIT[®] Instructions for use

BETONAMIT may only be used after the instructions for use and the safety regulations have been completely read and understood!

Always wear safety goggles when working with BETONAMIT!!!

Preparation

Please ensure the following equipment is available before starting work:

- ✓ BETONAMIT - The original
- ✓ Safety goggles and protective gloves
- ✓ 5 gallon plastic bucket
- ✓ Electric drill with mixing attachment (1/2")
- ✓ Hammer Drill or Air driven rock drill
- ✓ Drill bit 1¼"-1½" (30-40 mm)
- ✓ Cool Water
- ✓ Tarp to cover holes, if temperature over 70 degrees F (21 degrees C)

Work routine

As the first step, drill holes. The optimal spacing between the holes is 10 times the diameter of the hole. The holes should be clean and dry. Then put a full bag of BETONAMIT powder in the mixing bucket, add the correct amount of water and then mix with a 1/2" drill with mixing attachment until a pourable mixture is obtained. Pour mixture directly into the holes from the mixing bucket without delay. When mixed correctly with the right amount of water, BETONAMIT will be just barely pourable, like a thick paste

Do not plug the holes; covering with a tarp is advisable in rain or hot temperatures. For special applications, as well as for applications of BETONAMIT in holes larger than 1½" (40 mm), consult the manufacturer.

Detailed information can be found on our website at: www.betonamit.com

Technical specifications

| Temperature | 5 °C 41 °F | 10 °C 50 °F | 15 °C 59 °F | 20 °C 68 °F | 25 °C 77 °F | 30 °C 86 °F | 35 °C 95 °F |
|----------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Recommended hole diameter | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" | 30 - 40 mm 1 ¼" - 1 ½" |
| Minimum hole depth | 5 x Drill Ø | 5 x Drill Ø | 5 x Drill Ø | 5 x Drill Ø | 5 x Drill Ø | 5 x Drill Ø | 5 x Drill Ø |
| Maximum hole depth | 6 m 20 ft. | 6 m 20 ft. | 6 m 20 ft. | 6 m 20 ft. | 6 m 20 ft. | 6 m 20 ft. | 6 m 20 ft. |
| Recommended hole spacing | 10 x Drill Ø | 10 x Drill Ø | 10 x Drill Ø | 10 x Drill Ø | 10 x Drill Ø | 10 x Drill Ø | 10 x Drill Ø |
| Amount of water per 5kg 11 lbs | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. | 1.0 - 1.2 ltr. 34 - 40 oz. |
| Reaction times | 12 - 72 hrs | 12 - 60 hrs | 12 - 48 hrs | 6 - 48 hrs | 6 - 36 hrs | 4 - 24 hrs | 2 - 12 hrs |

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Safety regulations

Safety regulations

1. Use BETONAMIT only in ambient temperatures between 40°F and max. 95°F. (5-35°C)
2. Do not use warm water. (max 68°F, 20°C)
3. Use only the correct amount of water: 34 - 40 fluid ounces per 5 kg BETONAMIT. (1.0 - 1.2 litres)
4. Stir the mixture by mechanical means whenever possible. (Poor mixing increases the risk of blow-out)
5. Use only drills with a diameter of 1¼" - 1½". (30-40mm)
6. The minimum hole depth is 5 times the hole diameter.
7. The holes must be clean and dry.
8. On hot days, fill the holes early in the morning.
9. Pour the BETONAMIT into the holes immediately after mixing.
10. Dilute leftovers with lots of water and dispose of them in compliance with local regulations.
11. Never look directly into the filled holes (risk of blow-out)
12. Close the workplace off against unauthorized access. (Blow-out or falling material.)
13. Do not pour the mixture into bottles or other closed containers. (risk of steam driven explosion).
14. Also pay heed to the risk warnings and safety instructions on the packaging. (GHS)

Checklist for the safe use of BETONAMIT

1. Am I wearing the mandatory safety goggles?
2. Is the diameter of my drill between 1¼" - 1½" (30-40mm)?
3. Have I placed the correct amount of water ready and available?
4. Is the mixing water temperature in the recommended ranges?
5. Is the ambient temperature between 40°F and max. 95°F (5-35°C)?
6. Is the temperature of the object to be demolished below 95°F (35°C)?
7. Can the fragments be displaced in at least one direction?
8. Can I rule out that the high expansion pressure may cause unwanted damage?

ATTENTION: What is a blow-out?

Failure to comply with the regulations, improper handling or conditions that are too warm may lead to a blowout. A blow-out is the sudden, explosive escape of BETONAMIT from the hole. Being hit in the face by the material escaping under high pressure can cause serious injury. For this reason, never look directly into the filled boreholes and wear protective goggles at all times when working with BETONAMIT.

After a first blow-out has happened, this repeats itself about 3-6 times, and can also occur in other boreholes. Close the work area down for all people for at least 3 hours.

Immediate actions

BETONAMIT is non-toxic but it is caustic like wet cement, a strong alkali. IF IT MAKES CONTACT WITH THE EYES: Rinse carefully with water for several minutes. If possible, remove the contact lenses if being worn. Continue rinsing. IF ON THE SKIN: Wash off with lots of soap and water. In cases of pain, injury or allergic reactions, seek medical advice immediately.

Much more helpful information can be found on our website at www.betonamit.com