

PRODUCT DESCRIPTION

Ecobust is an ecological friendly non-explosive controlled demolition agent and most powerful of its kind. Ecobust is made of a powdered mixture of natural minerals that when mixed with water and poured into pre-drilled holes, expands at an incredible force of 20,000 PSI being able to demolish any strength of rock or concrete without any noise, dust or flying debris.

Ecobust is the perfect solution when dealing with environmental restraints, dust restrictions, noise and vibration restrictions, productivity demands, or when equipment or access is limited. Ecobust reduces labor costs, increases productivity, saves time, is safe and environmentally friendly.

FEATURES

- Easy to use
- Reduces Labor Costs
- Increases Productivity
- Reduces Removal Time
- Environmentally Friendly, Non-Toxic, Natural
- Breaks all rock & concrete types and strength
- Only requires the addition of water
- No permits or licenses required
- No Noise, No Dust, No Vibrations
- No special disposal required
- Controlled demolition

APPLICATIONS

Ecobust is used both indoor and outdoor, for small or large scale jobs. Proven uses for concrete and rock demolition include the following.

Concrete: proven uses include cutting and demolition of patios, driveways, stairwells, retaining walls, foundations, pillars, beams and any other concrete structures.

Rock: proven uses include boulder breaking, rock splitting, levelling, tunneling, trenching, quarrying, mining.

PACKAGING

UNIT BOX (holds 4 bags)		
DIMENSIONS (Cm)		
Length	Width	Height
34	26	17
NW: 44 Lbs (20Kg) per unit		

PALLET (holds 50 boxes)		
DIMENSIONS (Inches)		
Length	Width	Height
38"	45"	39"
NW: 2200 Lbs (1MT)		

STORAGE & SHELF LIFE

Store in cool and dry area. Keep out of direct sunlight. Store in original and unopened bags. Ecobust is a Non-Haz product with no transportation restrictions.

24 month shelf life when properly stored.

AVAILABLE PRODUCT TYPES

Ecobust is available in 4 product types for maximum and fast performance reliability. The product type chosen is based on on the core temperature of the rock or concrete being demolished and ambient temperature. Ensure you choose the correct Product Type for your job. Refer to the following Ecobust product types:

TYPE 1: 20 to 35 C (68 to 95 F) **TYPE 2:** 10 to 25 C (50 to 77F)
TYPE 3: 5 to 15 C (41 to 59F) **TYPE 4:** -8 to 5 C (23 to 41F)

USER GUIDE

Ensure you have your personal protection equipment (PPE) and equipment in place before starting any job.

PPE Required: safety glasses, gloves, dust mask.

Equipment Required: bucket, mixing paddle, measuring cup, core or rock drill or substitute, 1.5" drill bit.

1) Drilling:

Drill holes using a core drill, rock drill or substitute using appropriate drill bit. Hole diameter should be 1.50 inches (do not exceed 2 inches). Holes should be drilled 8 to 16 inches apart. For harder rock and reinforced concrete, recommended hole spacing is 8 to 10 inches apart.

Drill between 80 to 90% of the depth. Product must have free space to expand into. For specific drill patterns refer to the drill guide or contact our toll free tech line.

2) Mixing:

Choose the correct product type for the specific temperature range based on the material breaking and ambient conditions. Do not use incorrect product type as blow out may occur. In a clean bucket pour 1.5 liters of common cold water and gradually add one bag (5kg) of product. Do not mix more than 2 bags (10kg) at a time. Mix well with a mixing paddle, until the powder is completely dissolved in the water and becomes a slurry.

3) Pouring:

Ensure drilled holes are clean by minimizing water and residue left behind. Within 10 minutes of mixing, pour the mixed product into the holes, filling to within 1 inch from the top. Pour gradually to ensure no air gaps are trapped within. Cover the holes with a tarp after they have been filled. Empty the bucket of any surplus mixture on the ground.

4) Set Time:

Product will begin to set within 1 to 2 hours and total fragmentation will be between 4 to 8 hours. For best results product should remain in holes for 24 hours (product will continue to expand up to 72 hours if necessary).

HANDLING PRECAUTIONS

Ecobust is non-toxic and non-flammable in nature. Avoid contact with eyes and skin as it may cause irritation. Prevent inhalation of dust. Do not take internally.

Any contact with eyes should be flushed immediately with clean water. Wear necessary safety glasses, rubber gloves and dust mask. For more information refer to MSDS.

DRILLING PATTERN GUIDE

The drill pattern will depend on the project and material to demolish. ECOBUST is the perfect solution when explosives are not permitted or preferred, and when dealing with sensitive jobs where noise, dust, vibration, fly rock must be avoided, for example.

DRILL GUIDE	CONCRETE (Mass)	CONCRETE (Reinforced)	ROCK
LINE SPACING	12" to 14"	8 to 12"	12 to 18"
HOLE DIAMETER	1.50"	1.50"	1.50"
HOLE DEPTH	80%	90%	90%

* LINE SPACING: refers to the space between the holes along the grid lines. Adjust the line spacing based on the hardness of the material, the harder the rock or concrete the closer the holes. Always ensure the product has a free space to expand into. Create a free edge with series of empty holes or a relief cut.

* HOLE DIAMETER: 1.50" hole diameter recommended for all applications (do not exceed 2.0").

* Determine the size of the rock or concrete pieces that you are capable of managing/removing.

* Using a box grid (#) adjust the grid to suite your needs.

* Drill holes along the grid lines using the drill guide.

* Ensure that the line spacing conforms to the suggested drilling guide. For more information visit www.ecobust.com

* Note: one individual hole or a series of scattered holes will create random cracking with no clear direction. A straight row of holes will result in controlled demolition.

CONSUMPTION

The correct water to product ratio is 1.5 Litres of cold water for every 5Kg (11lb) of product. The consumption table is only used as an indication for the volume capacity of one box (44lbs or 20kg) of product.

Once you have determined how many holes are required and the depth of each hole, the chart below will assist in determining how much product is required for the job. This chart is to be used as a guide only, for specific job estimates please contact your local dealer or Ecobust Distribution.

CONSUMPTION: Per 44Lbs (20Kg)	
Hole Diameter (Inches)	FILLS (Lineal Feet)
1.50"	34
2.0 "	19

TECHNICAL DATA

Composition

Ecobust is made of a non-toxic and non-hazardous powdered mixture of natural minerals that when mixed with water and poured into pre-drilled holes, expands at an incredible force of 20,000 PSI being able to demolish any strength of rock or concrete without any noise, dust or flying debris.

Appearance: Grey Powder

Property:	%	
Calcium Oxide	82.56%	CAS:1305-78-8 EINECS:215-138-9
Sodium Carbonate	2.57%	CAS: 497-19-8 EINECS: 207-838-8 EU 011-005-00-2
Sulphur Trioxide	.37%	CAS: 7446-11-9 EINECS: 231-197-3
Silicon Dioxide	5.96%	CAS: 7631-86-9 EINECS: 231-545-4
Magnesium Oxide	3.09%	CAS: 1309-48-4 EINECS: 215-171-9 EU No. 025-199-09-0
Aluminum Oxide	2.21%	CAS: 1344-28-1 EINECS: 215-691-6
Calcium Carbonate	2.13%	CAS: 471-34-1 EINECS: 207-439-9
Diron Trioxide	1.11%	CAS: 1309-37-1 EINECS: 215-168-2

TECHNICAL ASSISTANCE

Please contact Ecobust Distribution International Inc for Technical Personnel at 1-888-509-2420

WARRANTY

We warrant our products to be of good quality at the time and place we make the shipment. This information and all further advice is based on Ecobust's present knowledge and experience. **DISCLAIMER:** The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. Ecobust Distribution International Inc. is not under any circumstances liable to connection with the use of information. As Ecobust Distribution International Inc. has no control over the use to which other may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in a particular circumstances. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.