

RIP RAP

PRODUCT DESCRIPTION

Rip Rap is a blend of dry sands and cement in pre-filled, permeable, reinforced paper bags. The bag is designed, when wetted, to readily allow the passage of moisture through to the cement binder. Hydration of the cement then takes place leaving a solid, durable tiered barrier. Bags are consistent in colour and blend with surroundings. Over a period of time the paper bag degrades evenly.



SUPPLY

Rip Rap is available from the Customer Service Centre at the Birkenhead Works.

Rip Rap is pre-packed into easy to handle 20 kg permeable reinforced paper bags.

The dimensions of the bag, when full, are approximately 500 mm x 290 mm x 80 mm.

APPLICATIONS

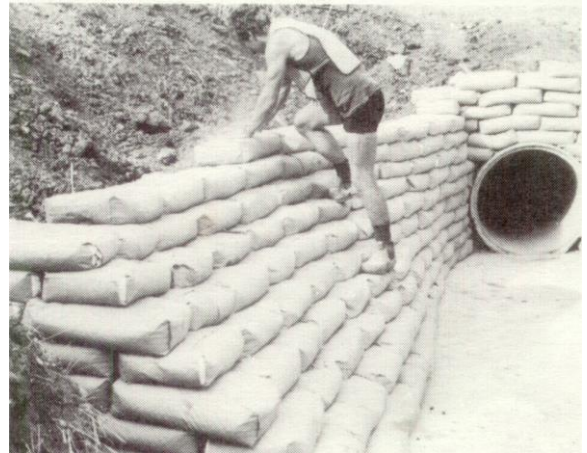
Rip Rap is used to construct temporary and permanent retaining walls for:

- Highway and railway cuttings.
- Pipe and culvert headwalls and sidewalls
- Bridge revetments
- Earth fills
- Stabilisations of underwater cables and pipelines
- Retaining of park pathways
- Lake, canal and creek surrounds
- Landscaping
- Boat launching ramps
- Permanent trench walls

LIMITATIONS

As the final use of Rip Rap bags is beyond the control of Adelaide Brighton Cement, no responsibility can be accepted for the performance of the product.

It is strongly recommended a qualified civil engineer be consulted to advise on using the product as a means of retaining earth or backfill.



ADVANTAGES

Bag Material

- Special attention has been given to selecting a colour and texture for the bag to blend well with surroundings. Finished appearance is neat and regular.
- The bags are designed to degrade evenly leaving no sign of the package.
- Excellent industrial design has been applied to the bag. It is embossed to reduce any possible slippage.
- Dry sand and cement is not released through the fabric, but moisture can readily pass through the special paper membrane.

Functionality

- Filled bags are easily transported, usually on pallets. When access is difficult, bags are conveyed easier than most other materials used for erosion control.
- Positioning of bags necessitates only the use of placement labour. No special equipment. Tools or fasteners are necessary.
- Obstructions on a slope can be readily surrounded with mouldable Rip Rap bags.
- Extremely fast yet permanent corrections of soil erosion problems is obtained with Rip Rap.

RIP RAP

DIRECTIONS FOR USE

- No special preparatory work is necessary.
- The base, for the bottom layer, should be solid and free from loose material.
- Bags should be placed closely together and tamped into final position with a heavy flat object.
- The completed barrier should be wetted.
- However, if a water supply is not readily available the bags will absorb moisture from the surrounding ground or when it next rains.
- In construction of a tiered barrier wall, bags should be placed in a running bond pattern and should be stepped or inclined for added rigidity.
- A stronger wall is achieved by placing the longest bag dimension at right angles to the barrier's alignment.
- When additional barrier stability is required or when subjected to moving water, steel rods can be driven through the bags.

HANDLING AND STORAGE

Manual handling of bag products without due care and attention may result in personal injury. Unless you have been trained in manual handling methods it is suggested that you share the load with another person.

Rip Rap can be stored for up to six months provided it is stored in a dry place, off of the ground and protected from ingress of moisture. Ingress of moisture can occur due to rain, spillage of liquid (on or around the product) or a high humidity climate. Such exposure will degrade the performance of the product.

SAFETY INFORMATION

For safety information refer to the Safety Data Sheet for Rip Rap.



See Figure 1

COVERAGE

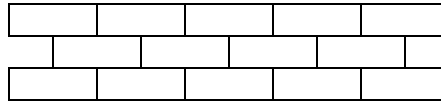


Figure 1

Stacked in wall lengthwise (vertical view)
Allow 22 bags/m²

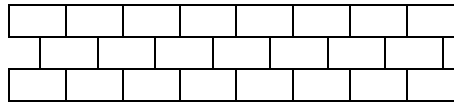
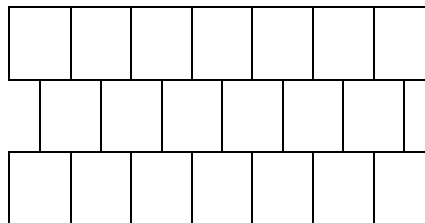


Figure 2

Stacked in wall widthwise (vertical view)
Allow 39 bags/m²



Laid flat (horizontal areas only – plan view)
Allow 5 bags/m²

CONTACT POINTS

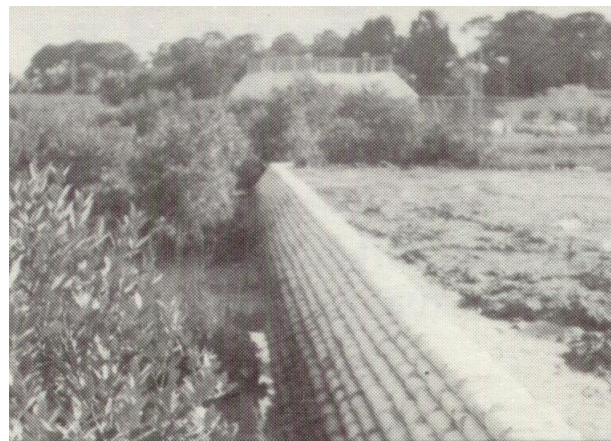
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See Figure 2

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- determine whether the information or product is suitable for their purpose;
- assess and control any risks associated with the information or product; and
- obtain professional advice in relation to the use of the information or product.

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