

STACK & BANK

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PRODUCT

TARGET® Stack and Bank is a bagged dry concrete product designed specifically for use in a variety of erosion control and support systems. The product consists of plant-batched, dry-mixed cement, sand, coarse aggregates and admixtures packed in cloth or paper bags. The speed and ease of placement of these bags gives an economical system of construction.

The dry-mixed concrete in the bags reacts slowly with moisture from pre-wetting and environmental exposure to form a hardened concrete installation. The bags will slowly weather away, leaving an attractive "pillow block" structure.

USES

TARGET Stack and Bank applications have the advantages over conventional concrete construction of speed of placement and low labor cost, brought about by the elimination of concrete forming, mixing, placing and finishing operations. The product can be used in applications such as the following:

- Headwalls for bridge abutments, vehicle underpasses and drains
- Ramps, retaining walls and loading docks
- Small dams for erosion control, reservoirs, irrigation and stock watering
- Piers for small bridges and docks
- Cradle supports for tanks and pipes
- Boat slipways and small sea walls

PROCEDURES

TARGET Stack and Bank can be placed either end-on or lengthways to the exposed face, depending on the height and slope of the proposed construction. It is normal to place the bags in a "lapped" rather than "stacked" pattern. Extra strength can be obtained in piers, ramps, etc, by driving steel reinforcing rods through the bags at appropriate spacings. Each layer of bags should be thoroughly wet down with water (hosing is recommended) prior to placing the next layer. This will promote rapid hardening and strength gain in the installation. In general, it has been found that cloth bags are more easily placed and stacked than paper bags, and give a more attractive final appearance.

Product performance is affected by many factors, including storage, method and conditions of application and use. User testing is ESSENTIAL to determine suitability of product for intended method of application and use. Target's SOLE WARRANTY is that the product has been manufactured to specifications. No oral or written information or advice shall increase this warranty or create new warranties. Target's SOLE LIABILITY is to replace product proved defective. In no event shall Target be liable for any consequential, indirect or other damages whether arising from negligence or otherwise.

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CAUTION

- The Stack and Bank process is intended for use in applications where applied loads and forces are small. It is not a substitute for engineered concrete construction, and should not be used in major load carrying applications (such as highway bridge piers, or large earth-retaining walls).
- On request, TARGET Stack and Bank can be manufactured using Type 50 (Type V) sulphate resistant cement for use in areas where sulphate attack of concrete can occur.

TYPICAL PROPERTIES

Compressive strengths in excess of 10 MPa (1450 lb/in²) at 28 days and 20 MPa (2900 lb/in²) at 90 days will normally develop when TARGET Stack and Bank is thoroughly wet down with water during placement and exposed to adequate moisture for subsequent curing. Inadequate supply of moisture to the in-place material will retard the rate of strength gain.

SIZE

TARGET Stack and Bank comes in polywoven 27.22 kg (60 lb) bags with dimensions approximately 100mm x 330mm x 560mm (4" x 13" x 22").

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