

STACK & BANK

Stackable Concrete in Typar Bags

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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

ADVANTAGES

The fabric is made of spun woven polyester which has high UV resistance – it should retain sufficient strength of at least 70%, after 12 months of outdoor exposure.

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.

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.targetproducts.com/product-warranty
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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.

APPROXIMATE YIELD

3 x 27 kg (60 lb) bags = .028 m³ (1 ft³)

PACKAGING

TARGET Stack and Bank comes in grey filter cloth (typar) 27.2 kg (60 lb) bags 48 per pallet with dimensions approximately 100 mm x 330 mm x 560 mm (4" x 13" x 22").

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