



# ACELoop Tex™



ACELoop Tex™ is a fabric which consists of polypropylene base geotextile and numerous loops standing on it. It can be integrally formed with concrete blocks to take the place of the ripraps around the revetment, which are used to eliminate wave energy with nonwoven placed beneath them for foundation scour protection. In response to the durability and permeability requirement of the scour apron, ACELoop Tex™ is designed to be a cost-effective alternative, dispensing with not only the transport cost of ripraps, but also the process of nonwoven installation. It can provide more than 10 ton/m<sup>2</sup> bonding strength with concrete casting on it.



## Why ACELoop Tex™

### Advantages of Polypropylene Base Fabric :

- High tensile strength: Base fabric with high strength is beneficial to the procedure of hanging up with concrete blocks.
- Excellent hydraulic properties: Specifically designed fabric provides superior permeability with small AOS. Being able to separate the foundation soil from outside and to relief the water pressure simultaneously. Effectively, the base fabric can prevent the concrete from being broken by buoyancy.
- High resistance of alkalinity: The fabric resists encountered alkalis, to avoid the damage from alkalinity of concrete when it casts on.



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### Advantages of Loop Piles :

- Large amount and the perpendicular height of the loop piles: Made by high stiffness fabric, the loop piles can penetrate the base of concrete block during casting process to increase the bonding strength between concrete and geotextile, result in the benefit to increase the safety of hanging up as well as the durability of revetment.
- High resistance of alkalinity: The fabric resists encountered alkalis, to maintain long-term bonding strength in alkaline environment in concrete.



## Application

1. Riverbank Surface Protection
2. Submarine Pipeline Protection
3. Groundsill works
4. Seabed Scour Control

