

SACON®

**SHOCK-ABSORBING CONCRETE
FOR TODAY'S SHOOTING
RANGES**



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SACON® is a Registered Trademark of the US Army Corps of Engineers

What is SACON®?

- ▶ Shock Absorbing Concrete
- ▶ Bullet Trapping Material
- ▶ Heavy Metals Management



Point of Contact for SACON®

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Additional Information
www.terrancorp.com/sacon/sacon.htm

Direct Purchases Available on GSA 

Shock Absorbing CONcrete Bullet Traps and Shoot Houses

Shock-absorbing concrete (SACON®) is a fiber reinforced, foamed concrete that contains no course aggregate.

The Army Corps of Engineers through its Engineering Research and Development Center (ERDC) has developed SACON as an answer to a variety of small arms range engineering challenges.

Benefits of SACON® Range

- ▶ Closed-cell foamed concrete for holding lead
- ▶ Cannot burn
- ▶ Low lead leaching

Where SACON® can be Useful

- ▶ Live-fire shoot houses and grenade houses
- ▶ Bullet traps for conventional ranges
- ▶ Land-based and ship-borne live fire facilities
- ▶ Barriers for reduction of safety fans in live-fire exercises
- ▶ Back-up walls



Ty Greenlees Dayton Daily News

SACON and Granular Rubber Integrated Range System

Economy

SACON is a concrete product, as such it can be pigmented, painted, cast or cut into any shape necessary.

SACON can be cast on or off site as per Customer request.

Reducing the Environmental Impact

SACON bullet traps or shoot houses will significantly reduce *or eliminate* the problems of:

- ▶ heavy metals accumulation
- ▶ toxic air emissions
- ▶ hazardous materials disposal
- ▶ soil erosion/cleanup

The alkalinity in a typical formulation of SACON will eliminate the leaching of lead and copper into the soil.

Recycling

SACON provides the only practical way of collecting and recycling spent tungsten bullets. SACON that has reached the end of its service life, trapping either lead or tungsten bullets, is classified as industrial waste. *Not hazardous material.*

Small Arms Range Safety

- ▶ SACON provides safety improvements by reducing ricochets down range.
- ▶ Shooting range backstops can be designed from SACON to allow weapons fire at very close range.
- ▶ SACON does not burn (safe for tracers).

Through a Co-operative Research and Development Agreement (CRADA) between Terran Corporation and ERDC, Terran Corporation has advanced the concept of SACON to an economical and proven commercial product.

Terran Corporation designs, fabricates, and installs firing range structures that make SACON the first choice for today's bullet traps and shoot houses.

SACON® is made in the USA.

Gel-Cor™ Bullet Trap



SACON can be integrated with other range systems.
(ie. Granular rubber with fire retardant polymer)