

- Aerospace
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TENCATE ADVANCED COMPOSITES USA, INC. ARMOR DIVISION

STATE-OF-THE-ART ARMOR TECHNOLOGY

Other TenCate Armor Divisions

The Netherlands

TenCate Advanced Composites has distinguished itself over the last 25 years as a premier supplier of high performance CETEX® spall liners for armored military vehicles, woven fabrics for anti-ballistics and composites, advanced prepregs for anti-ballistic composites useful in helmet and aviation applications and CETEX® thermoplastic composites.

France

TenCate Advanced Armor, France has established itself as a worldwide leader in composite hard armor technology with vast production capacity. Utilizing composites and composite/ceramic technology, TenCate Advanced Armor continues to push the envelope to provide state of the art, lightweight armor systems tailored to meet the current and future armoring needs of Military, Police, Correctional and Civilian applications.



**105,000 Sq. Ft. facilities in
Morgan Hill CA, USA.**

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 **TENCATE**
materials that make a difference

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TENCATE ADVANCED COMPOSITES USA, INC.

ARMOR DIVISION

STATE-OF-THE-ART ARMOR TECHNOLOGY

The Company

Founded over 300 years ago, TenCate has established itself as a world leader in armor systems and advanced composite materials supplied to military, police, aerospace and commercial/industrial markets. TenCate's success is attributable to its leading edge technology, high quality products and a customer driven culture that encourages responsiveness, cooperation and teamwork. Within the worldwide armor marketplace, TenCate is pushing the limits to implement unique solutions utilizing composite and ceramic technology.

The Technology

Today's armor technology is quickly moving beyond the realm of metallic solutions, which are heavy, cumbersome and thereby limited in their end usefulness. TenCate Advanced Composites has been pushing the limits of composite and ceramic/composite armor technology to offer the lightest, most advanced hard and flexible armor solutions to their worldwide customer base. Combine these technological innovations with advanced production processes and an aerospace conforming quality assurance system and you will find an exciting supplier of advanced hard armor solutions in the USA – TenCate Advanced Composites' Armor Division.

The Applications

Our armor solutions have never been looked upon as me too products in the marketplace. Whether it be a simple composite bullet resistant vest insert or protective shield; advanced armor to defend against high velocity threats; spall liners for tanks & armored fighting vehicles; or armor kits for aircraft, helicopters or vehicles; our solutions are designed to provide high technology, lightweight armor appropriately designed for the threat level under consideration. With production capacity in the USA, The Netherlands and France, the TenCate is one of the largest hard armor producers in the world and can address all of your global supply needs.



Some typical applications of these systems at work are:

Composite Armor Plates for Bullet Resistant Vests

Utilizing Dyneema, Spectra, Kevlar, Twaron, and other fiber based composites, our advanced production processes are used to manufacture some of the lightest, most advanced hard armor solutions in the world today, meeting both NIJ and International Standards.



CeraFlex®

A TenCate exclusive, CeraFlex® is a new technological development that offers the lightweight benefits of composites and the advanced performance of ceramics with the added feature of flexibility. Able to combat all NIJ and International Standards, CeraFlex® is the future of hard armor as it offers industry standard protection coupled with unmatched flexibility.

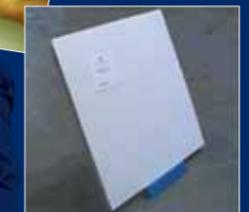


TenCate's rigid and flexible armor solutions meet the small arms protection needs of Police, Military, Special Forces and Civilian applications.

Spall Liners for Military Tanks and Fighting Vehicles - CETEX® spall liners have been providing proven solutions in the European Market for many years. With industry leading performance, these lightweight composite spall solutions can meet the needs of today and tomorrow's threat levels.

Vehicles and Aircraft Armor

Years of hard armor experience utilizing the technological advances of TenCate Advanced Composites has led to the protection of numerous aircraft, land vehicles, and ships. These systems have taken advantage of TenCate's custom composite and composite/ceramic solutions. Whether the need is protection for military and police vehicles, fixed or rotary wing aircraft or marine applications, TenCate Advanced Composites can provide a custom armor solution to meet the requirement.



Custom spall liners and hard armor kits are provided to protect military and civilian personnel in vehicles and aircraft.

