



## About OSG

If it's glass, OSG provides it. From transparent armor for defense, security or civilian markets to glass for rail and heavy engineering machinery or automotive and architectural glass, OSG is an established world-leading developer and manufacturer.

Since its founding in 1979, OSG has developed and provided glass for a range of specialized applications. Whether it is light weight compositions – up to 40% lighter than competitors' products – or long-lasting transparent armor, OSG creates the products that meet your needs.

OSG's in-house development and production teams work closely with academic and industry experts to provide a continuous stream of improvements and innovations.

In the United States, OSG is the leading supplier of transparent armor for the MRAP, MATV FHTV and several other vehicles of the US Army and the US Marine Corps. OSG has also been involved with more than 40 fielded military vehicle projects around the world, including: HUSKY for the British Army; ZETRO, ACTROS, DINGO and MAN for the German Army; Astra for the Italian Army and many, many others.



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OSG's revolutionary new ADI® series

ULTRA LONG-LASTING  
TRANSPARENT ARMOR TECHNOLOGY



# ULTRA LONG-LASTING TRANSPARENT ARMOR TECHNOLOGY

Through advanced research, OSG has developed a new technology which provides significantly longer service life of Transparent Armor while assuring certified ballistic performance and environmental characteristics:

## announcing OSG's revolutionary new ADI® Series of Transparent Armor ("T.A").

Transparent Armor in military vehicles is constantly exposed to exceptionally harsh field environmental conditions including extreme thermal shock (high to low temperatures), humidity, exposure to chemicals and more. These and other factors eventually cause delamination and reduction in the lifecycle of the T.A. After prolonged and meticulous research & development, OSG is proud to introduce our groundbreaking ADI® series of transparent armor

technology which considerably extends the durability and life cycle of the Transparent Armor, all while preserving a no-spall environment within the vehicle.

OSG's ADI® series armor has been extensively tested and certified for field deployment. ADI® armor has been proven to be lighter and stronger than "conventional" glass-polycarbonate products.

## Benefits

### ADI® technology:

- » Contains no polycarbonate, yet retains complete no-spall ballistic properties
- » Maintains all required optical & environmental properties.
- » Assures measurably longer life cycle
- » Carries a longer manufacturer's Warranty
- » Allows thinner and lighter transparent armor solutions
- » Allows easier handling and maintenance procedures



## Features

### » Extended life cycle

ADI® technology significantly extends the service life of Transparent Armor.

### » Easier Maintenance, longer service life

ADI technology's maintenance and handling is easier compared to products containing PC

### » Thinner, Lighter

ADI® technology offers high resistance to impact from projectiles, which allows the thickness and areal density of the product to be reduced.

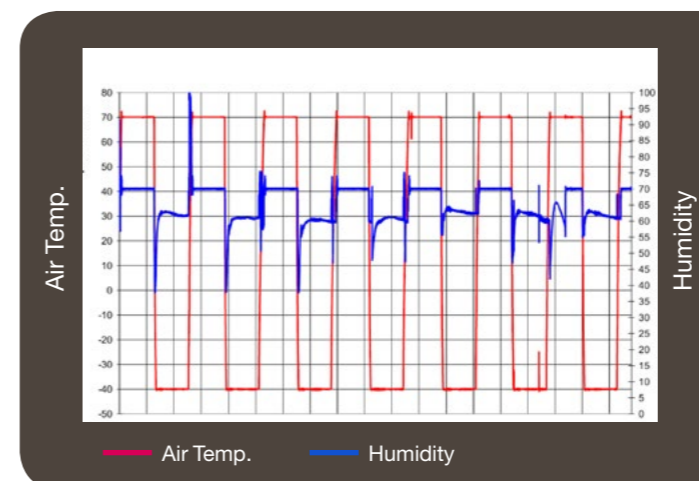
### » Strength and Reliability

ADI® technology has been rigorously tested to ATPD-2352 and Stanag threat levels and is proven

to handle exposure to even the harshest of field environmental conditions including extreme thermal shock (high/low temperatures), humidity, chemicals and extreme weather.

### Tested, and Approved, and in use today Technology Readiness Level 9

ADI® Armor has been successfully tested to ballistic, physical, mechanical and environmental standards. It has been ballistically tested and approved at Germany's Meppen Laboratory and is currently deployed by three major European national military forces.



**ADI® technology is being tested under extreme temperatures (-40 to +70 degrees C) and humidity approaching saturation points (90+ %). This ongoing test, which is approaching two years in duration, is yielding favorable results that confirm measurably extended lifecycle of the product.**

## Enhanced protection and performance

With OSG's revolutionary no-spall ADI® technology, the Transparent Armor on any vehicle will be effectively enhanced to provide superior protection

and increased performance. OSG's ADI® series truly establishes a new standard in transparent armor technology.

