

CUMI: Setting the Standard for Advanced Protection of Vehicles

First Indian company to receive global certification for indigenous composite armour panels



Made in India

Zirconia Toughened Alumina ceramic armour panels designed and manufactured in India



Patented design

Innovation through R&D by experts at CUMI's state-of-the-art Hosur factory



Advanced protection

Certified in line with STANAG 2 & 3 protection levels for armoured vehicles

STANAG 4569: Global protection standard for military vehicles



Measures how effectively an armoured vehicle can protect occupants from different ballistic & blast threats



Testing and validation as per STANAG certifies:

- ✓ Quality of materials used
- ✓ Efficacy of panel design



CUMI successfully tested and qualified their add-on armour panels at IABG, Germany to defend against:

- Level 2 Ballistic Threats
- Level 3 Ballistic Threats

CUMI's Advanced Ceramics to Design Composite Panels for Vehicles include:

Reaction Bonded Silicon Carbide • Zirconia Toughened Alumina



Lightweight

Multi-hit capability



High hardness & compressive strength

High wear-, weather-, corrosion-resistance



Good fracture toughness

Effective against a diverse range of threats



High impact energy absorption

Flexibility to customise design of ceramic



Why Advanced Ceramics are Most Effective for Armour