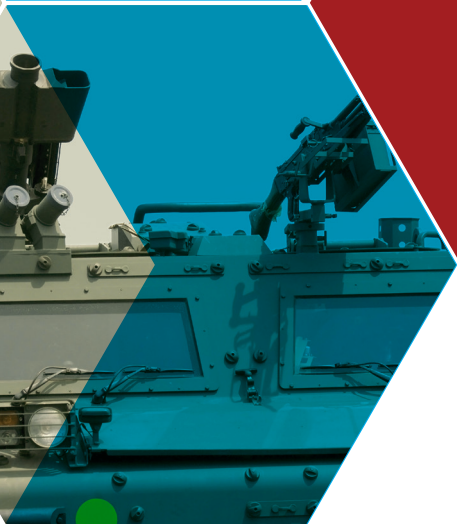




PAXIS Vehicle and Aircraft Armor

Technical
Data



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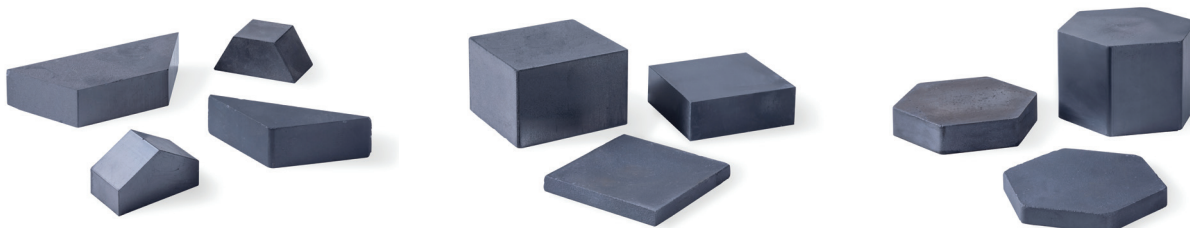
www.paxisceramics.com

PAXIS

Vehicle and Aircraft Armor

Technical Data

- Paxis ceramic materials and components are ideally suited for a variety of vehicle and aircraft armor solutions
- All components are STANAG compliant and can be supplied either as tiles or as a complete armored panel
- Best in class weight to ballistic performance ratio and multi-hit capability
- Seamlessly integrate into a wide variety of platforms
- Patented ceramic bonding technology is available
- Tailored 2D and 3D shapes available



	Square			Hexagon			Cylinders		
Material	B4C 321, B4C 322, B4C 325	SIC 1300	SIC 551	B4C 321, B4C 322, B4C 325	SIC 1300	SIC 551	B4C 321, B4C 322, B4C 325	SIC 1300	SIC 551
Density (g/cm³)	2.60 - 2.64	2.90	3.14	2.60 - 2.64	2.90	3.14	2.60 - 2.64	2.90	3.14
Size (range mm)	50 X 50 - 100 X 100			SW10 - SW60			DIA 10 - 20		
Thickness (range mm)	5 - 45			5 - 45			5 - 20		
Applications	Vehicle, Aircraft, Body Armor								
Threat level	STANAG 2 - 5, NIJ III++ to NIJ IV								



Machining, Drilling ,Grinding



Mosaic, max 0.3mm gap between the tiles

Comments:

1. Tiles can be delivered 'as pressed' or machined in a green state or grinded after firing
2. Tiles can be delivered either separately and integrated by the customer or as a mosaic panel or as ceramic bonded panels (patented technology) cut to final geometry per customer drawing

* Values are typical and should not be considered exact specifications