

# Ground Breaking Composite Cores

**Design Inspiration**  
**Process Improvement**

**ZOTEK® N**

**ZOTEK® F**



**ZOTEFOAMS**

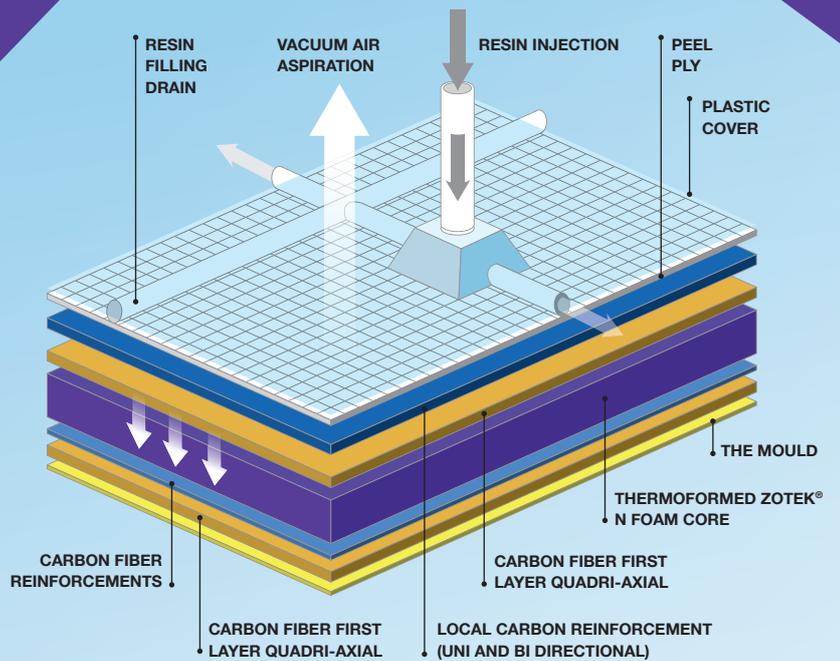
## ZOTEK® N

### High Temperature

up to 205°C allows higher processing/manufacturing conditions, resulting in reduced cycle time.



### Vacuum Infusion Process



# Unrivalled Versatility

Zotefoams offers a range of versatile, high performance semi-structural foamed polymers.

These ultra-lightweight technical foams offer a wealth of potential product and process innovation opportunities to composite designers and process engineers.

The unique suite of benefits delivered by the Zotefoams process includes reduced resin and adhesive usage, low VOCs, high ductility, thermal bonding and easy processing through all standard techniques including thermo forming. These benefits offer the potential for faster, more efficient production as well as lighter, stronger materials.

## ZOTEK® F

### Flammability Performance

meets all aviation flammability requirements. ZOTEK® F also meets BMS 8-371D & AIMS04-14-009 and possesses great hydrocarbon and acid resistance.



# The ZOTEK® Composite Process Premium

ZOTEK® N

ZOTEK® F



ROBUST EDGES



DUCTILE



THERMO-FORMABLE



VACUUM FORMABLE



HEAT STABLE



HIGH QUALITY SURFACE FINISH



REDUCED ADHESIVE UPTAKE



REDUCED RESIN UPTAKE



THERMAL BONDING



STITCHABLE



SPLITABLE



LASER CUTTING

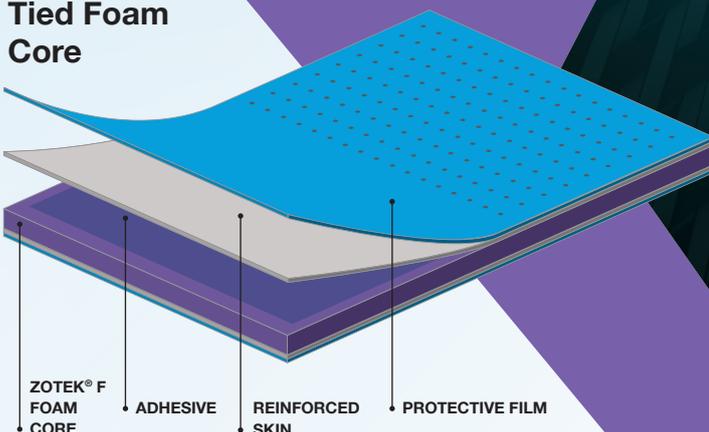


WATER JET CUTTING



In addition to these process derived benefits, material and product designers are embracing the opportunity to create ground breaking materials with a range of intriguing and novel properties.

## Tied Foam Core



ZOTEK® F  
FOAM  
CORE

ADHESIVE

REINFORCED  
SKIN

PROTECTIVE FILM

## The ZOTEK® Composite Design Premium

ZOTEK® N



UP TO 205°C  
TOLERANT



PRICE  
COMPETITIVE



ESTABLISHED  
AUTOMOTIVE POLYMER



AUTOMOTIVE  
REGULATORY  
APPROVALS



LIGHTWEIGHT



DURABLE



HYDROCARBON  
RESISTANT



COLD RESISTANT



HEAT RESISTANT



LOW ODOUR  
& VOCs



IMPACT  
RESISTANT



CHEMICAL  
RESISTANT



THERMAL  
INSULATION



BUOYANT



CONSISTENT CELL  
SIZE & STRUCTURE

ZOTEK® F



HYDROPHOBIC



MOULD  
RESISTANT



UV RESISTANT



AVIATION  
OEM APPROVALS



FLAME  
RETARDANT



NUCLEAR  
RADIATION RESISTANT



AVIATION  
REGULATORY  
APPROVALS



RESISTANT TO AGING



ZOTEFOAMS

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