

# **PrimeTex™**

**Carbon fabrics called PrimeTex™ have a smooth, closed weave and uniform cosmetic appearance. PrimeTex™ fabrics are more uniform as the filaments in each tow are spread out creating a thinner and more closed woven fabric. This provides optimal mechanicals and minimal porosity in a composite. It can also be used to lower the mass in composites where lighter weight is the key characteristic. *The ZB Process can improve any weave pattern, fiber type, and binder.* Hexcel has patents covering its innovative spreading processes.**

## **Primetex™**

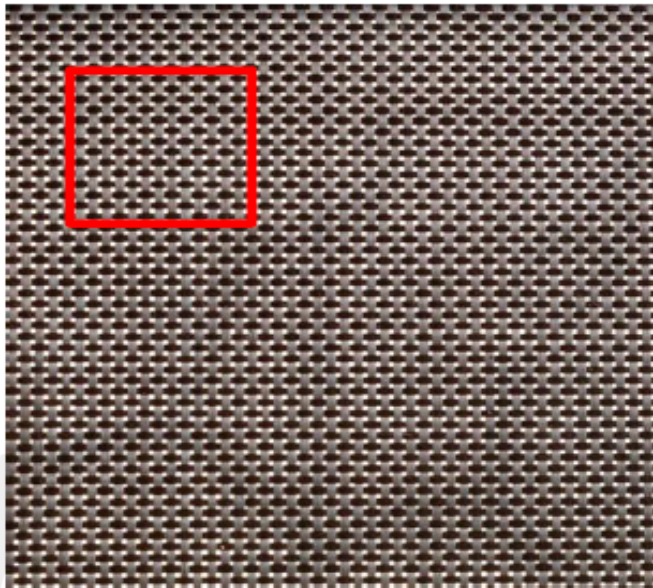
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- PrimeTex™ ZB finishing process for carbon fabrics will give you a more uniform spread where the filaments in each tow are spread out creating a thinner and more closed fabric
- Fiber tows are flatly woven then spread in both warp and weft direction for maximum fabric closure:
  - Cosmetic and surface finish
  - Better mechanicals and less porosity in a composite
  - Can also be used to lower the mass in a composite where lighter weight is the key characteristic.
- Hexcel has patents covering its innovative weft insertion and spreading technologies.

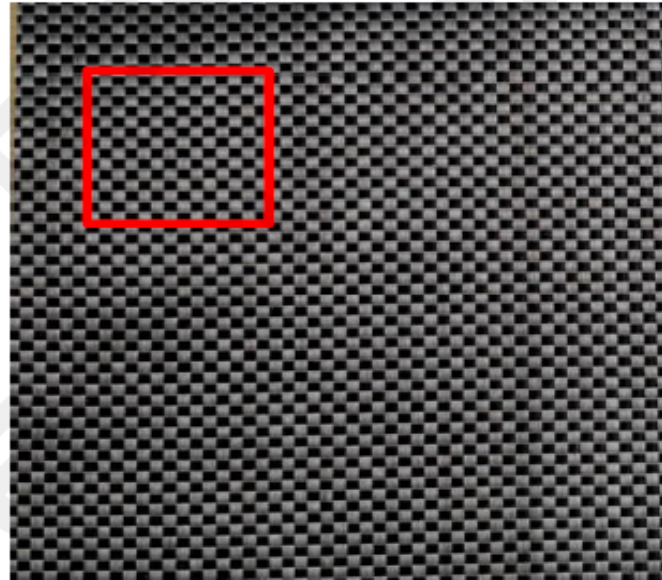
# Primetex™

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## PrimeTex™ High Strength 3K, optical properties



**Hexforce® 200 gsm, PW, AS2C J 3K**  
Open factor: 7.5%



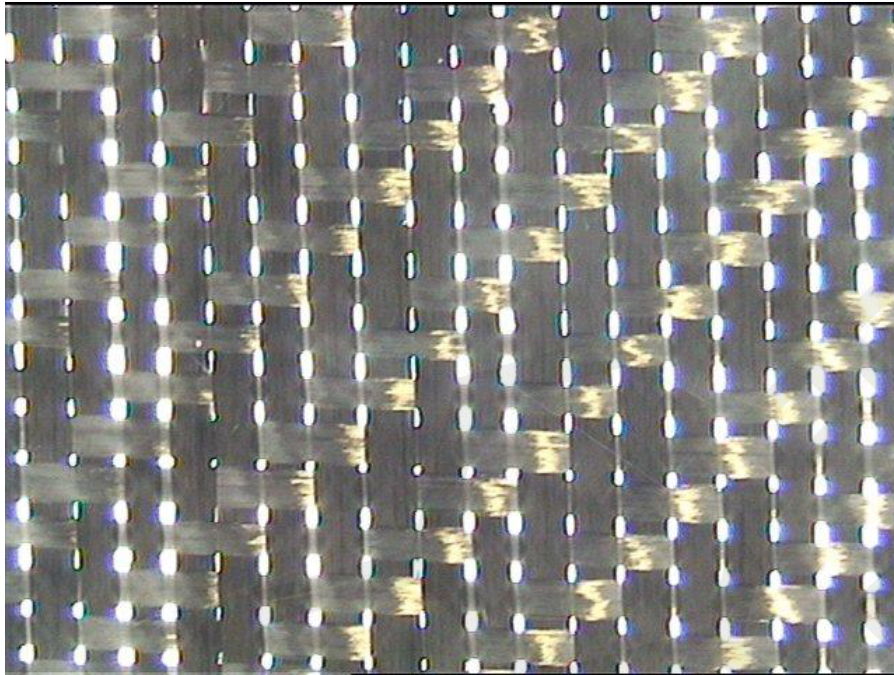
**PrimeTex™ 200 gsm, PW, AS2C J 3K**  
Open factor: 0.5%

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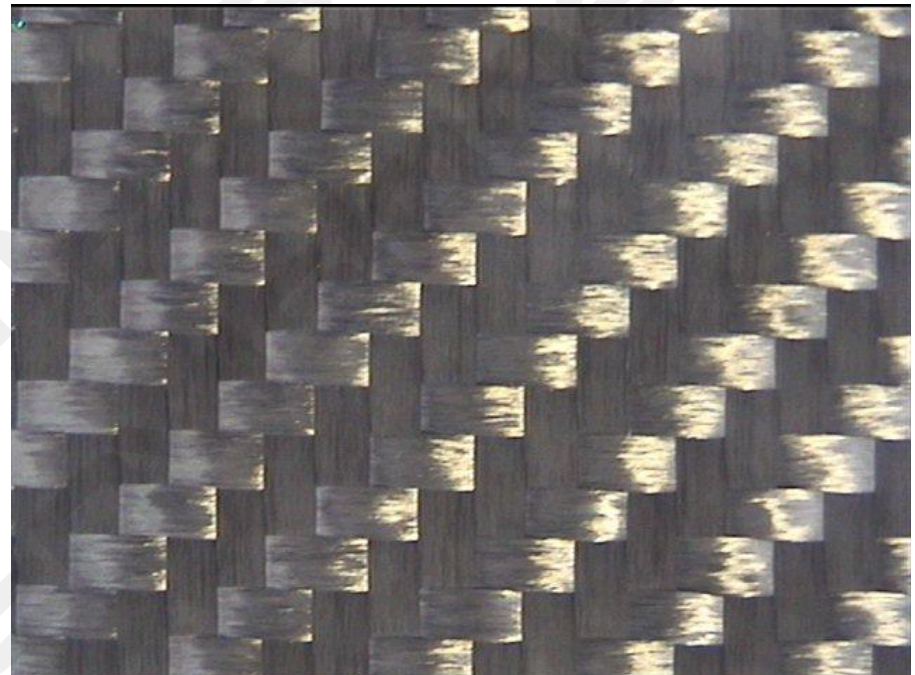


## ***PrimeTex™ High Strength 6K***

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**Hexforce® 285 gsm, Twill 2/2, AS4C GP 6K**  
**Fiber coverage: 96.8%**



**Hexforce® 285 gsm, Twill 2/2, AS4C GP 6K**  
**Fiber coverage: 99.6%**

# ***ZB Technology***

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## **Fiber and Fabric Spreading**

### **ZB Technology**

- **Patented Spreading Process**
  - **Originally Developed for 12K 193 gsm**
  - **Also can improve 3K and 6K fabrics**
  - **New high speed machine in Seguin**
- **Enhanced Properties in a Composite**
  - **Less Crimp for Improved Fiber Properties**
  - **'Thinner' Reinforcement**
  - **Reduced 'Resin Rich' Areas**
  - **Allows for Lower FAW**
  - **Adds Stability**