



## **“New Thermoplastic Composite Material”**

**This revolutionary heat adjustable material is NOW available and will provide a new industry standard for orthotic and prosthetic foot applications.**

### **CONTOURED PLATES**

- 4 Sizes Available (23, 26, 29, 31 cm)
- 3 Stiffness Grades
- Semi-Flex/Semi Rigid/Rigid
- Standard 1/2" Contour
- Fits Right or Left

### **FLAT PLATES**

- 5 Sizes Available (18, 21, 24, 26, 29 cm)
- 3 Stiffness Grades
- Semi-Flex/Semi Rigid/Rigid
- Suitable for Flat or Low Heel Shoes

### **MORTON TOE**

- Available in Flat or Contoured
- 2 Stiffness Grades
- Semi Rigid or Rigid
- Used to treat Turf Toe injuries, Morton's Toe, Hallux Rigidus and Stress Fractures

PERFORMANCE

# Features

- High performance graphite construction providing a high strength to weight ratio.
- Unique thermoplastic resin formulation for a high resistance to impact, fatigue and cracking.
- Spring back (resiliency) - will not loose shape or material properties after continued use in high loading applications.
- Several shapes readily available to fit directly into existing applications.
- Easy to bond using conventional adhesives.
- Easy to fit and finish:
  - Cut plates using band saw, jigsaw or scroll saw.
  - Sand using conventional belt sander 80 grit, low RPM.
- Heat Adjustable
  - Plates can be heated and reformed using convection ovens.
  - Temp range 210°C/410°F - 250°C/480°F.
  - Heating time 3 - 7 minutes.
  - Vacuum or Compression mold required.
  - Reforming NRG plates is dependent on time, temp, pressure, speed, mold condition and the amount of reshaping required.
- Custom shapes available depending on volumes.

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