

# XT ORTHOTICS

Simply the most outstanding material available for orthotics in the past 20 years!



## XT ORTHOTICS

- Thin, durable material for custom orthotics for use in broad and demanding applications, (ie. dress shoes, athletic applications).
- 5 XT grades for ultimate design control.
- Easy to mold and finish, requiring no special handling.
- Value/performance leader.
- High performance - yet economical.

## XT PERFORMANCE

- Composite structure for thinness and high strength.
- Unique resin formulated for high resistance to crack, impact, and fatigue.
- No creep, relaxing or bottoming out.
- Superior recoil and spring characteristics.
- Deep heel cups and directional rigidity for greater foot support and control.

\*Custom Patterns Available Upon Request

# PRODUCT SELECTION

- XT EASE FLEX** . . . . . Ultra thin for comfort and gentle support
- XT SEMI FLEX** . . . . . Very thin, extra degree of comfort and control
- XT SEMI RIGID** . . . . . Thin & light - provides strong support with springback
- XT RIGID** . . . . . Rigid support - withstands heavy use without cracking
- XT ULTRA RIGID** . . . . . Meets special needs for extreme activities and weight

## FABRICATION

EASY TO MOLD - ALLOWS DEEP HEEL CUPS • CAN BE REHEATED AND REMOLDED • INDEFINITE SHELF LIFE, NO SPECIAL STORAGE CONDITIONS • EASY TO MACHINE AND FINISH • POST ADJUSTMENT WITH HEAT GUN

EQUIPMENT REQUIRED: Oven, Vacuum former, Mold cast, Release liner (Teflon), Gloves

1. Set the panel on release liner and place in oven at 200°C (400°F) for 3-5 minutes. (see Time Grid)
2. Place the softened panel on mold.
3. Promptly apply vacuum and close the rubber membrane.
4. For deep arches, massage out any wrinkles by hand.
5. After about 1 minute, remove molded insert and trim.

NOTE: a) If wrinkles persist, place PPT or Poron sheet between panel and mold. b) XT panels can be reheated and molded up to three times.

## TIME GRID

GRADE	EASE FLEX	SEMI FLEX	SEMI RIGID	RIGID	ULTRA RIGID
MINUTES	3	3 1/2	4	4 1/2	5

## BLANK SIZES

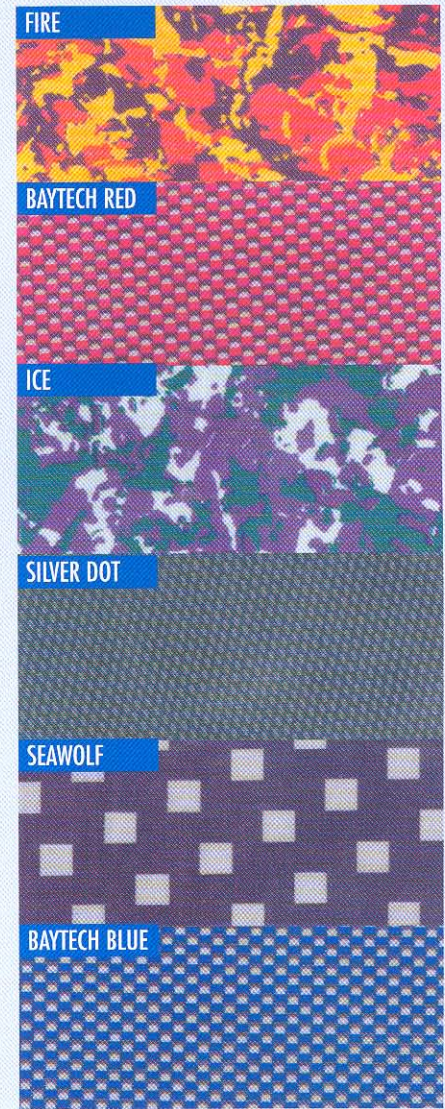
	SMALL	MEDIUM	LARGE
INCHES	3.5 x 7.5	4.0 x 8.0	5.0 x 9.0
CM	9 x 19	10 x 20	12.7 x 22.8

## TYPICAL PROPERTIES

PROPERTY	UNITS	EASE FLEX	SEMI FLEX	SEMI RIGID	RIGID	ULTRA RIGID
THICKNESS	mm	1.6	1.8	2.0	2.6	3.0
WEIGHT 10x20 CM	G	40	45	50	70	80
FLEXURAL MODULUS	GPA	2.8	3.0	3.0	3.1	2.8
FATIGUE RESISTANCE	10 <sup>6</sup> cycles	>1	>1	>1	>1	>1
RIGIDITY	Nm <sup>2</sup>	1	1.8	2.8	4.3	6.5

DISTRIBUTED BY:

## PATTERNS:



\*Custom patterns available upon request

## SHEET SIZES

INCHES	FULL SHEET	Cut sheets at 45° angle. Full sheet will yield 30 Medium blanks
	36 x 36	
CM	91.5 x 91.5	



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