



Orthema Milling Material Introduction

for use with any CNC milling machinery



Introduction and overview for new clients

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Children's insoles



K 3121030
35 shore density
31mm

- Size 30 to fit in children's shoes
- Thickness 31mm
- Size 20 can be special ordered as a die - cut shape with density 25, 35 or 45 in 20mm thickness





K 3121530
45 shore density
31mm

35 shore	45 shore
<ul style="list-style-type: none">• Medium density insole for light weight patients or insoles that need to provide cushioning properties	<ul style="list-style-type: none">• Medium to firm density for heavier weight children or for wear that is higher load



20 shore density (pink)





- Very soft density
- Ideal for insoles that require good cushioning properties such as for patients with *diabetes* or *arthritis*
- Suitable for very light weight patients doing low impact activity
- Very light weight insole

Standard shape	Wide shape	3 - components	Thickness: 28mm/31mm/36mm
<ul style="list-style-type: none"> • Regular width footwear and feet • To fit in small shoes (e.g. ladies court shoes, casual or fashion shoes, narrow or elegant shoes) 	<ul style="list-style-type: none"> • Good for patients with wide feet and wide shoes • Orthopedic shoes • More room for corrections to accommodate <i>hallux – valgus / arthritis/ ulcers</i> and other deformities  <p>20 shore density</p>	<ul style="list-style-type: none"> • Good for patients that need more control for the heel but cushioning for the forefoot • Very light weight patients • Low impact activity • Cushioned forefoot for <i>sesamoid</i> or <i>metatarsal</i> conditions  <p>35/25/20 shore density *Available standard and wide shape</p>	<p>28mm</p> <ul style="list-style-type: none"> • Regular foot, minimal corrections • Children’s insoles • To fit in small shoes (e.g. ladies court shoes) <p>31mm</p> <ul style="list-style-type: none"> • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises <p>36mm</p> <ul style="list-style-type: none"> • Good for highly specialised and corrected insoles • Can accommodate deformities such as <i>charcoats</i>, <i>hallux- valgus</i>, also dressings and offloading for <i>diabetic</i> patients



25 shore density (turquoise blue)






- Soft density
- Ideal for insoles that require good cushioning properties such as for patients with *diabetes* or *arthritis*
- Suitable for light weight patients
- Low impact activity use

Standard shape	Wide shape	2 - components	3 - components	Thickness: 28mm/31mm/36mm
<ul style="list-style-type: none"> • Regular width footwear and feet • To fit in small shoes (e.g. ladies court shoes, casual or fashion shoes, narrow or elegant shoes) 	<ul style="list-style-type: none"> • Good for patients with wide feet and wide shoes • Orthopedic shoes • More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformities  <p style="text-align: center;">25 Shore</p>	<ul style="list-style-type: none"> • Good for patients that need more control in the heel while cushioning the forefoot • Good for <i>sesamoid</i> and <i>metatarsal</i> conditions • Insoles that need more flexibility through the forefoot (e.g. dance or elegant shoes)  <p style="text-align: center;">35/25 Shore</p> <p>*Available standard and wide shape)</p>	<ul style="list-style-type: none"> • More control in the heel while cushioning the forefoot • Cushioned forefoot for <i>sesamoid</i> or <i>metatarsal</i> conditions • Reinforced heel for gait strike zone  <p style="text-align: center;">35/25/20 Shore</p> <ul style="list-style-type: none"> • Soft insole  <p style="text-align: center;">45/35/25 Shore</p> <ul style="list-style-type: none"> • Medium-firm heel control with softer forefoot 	<p>28mm</p> <ul style="list-style-type: none"> • Regular foot, minimal corrections • Children's insoles • To fit into small shoes (e.g. ladies court shoes) <p>31mm</p> <ul style="list-style-type: none"> • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises <p>36mm</p> <ul style="list-style-type: none"> • Good for highly specialised and corrected insoles • Can accommodate deformities such as <i>charcoats</i>, <i>hallux-valgus</i>, also dressings and offloading for <i>diabetic</i> patients



35 shore density (white)






- Medium density
- Good for insoles that require cushioning properties or footbeds for normal weight patients (mostly women)

Standard shape	Wide shape	2 - components		3 - components	Thickness: 28mm/31mm/36mm
<ul style="list-style-type: none"> • Regular width footwear and feet • To fit in small shoes (e.g. ladies court shoes, football boots etc.) 	<ul style="list-style-type: none"> • Good for patients with wide feet • More room for corrections • Footbeds for orthopedic shoes and medium weight persons  <p style="text-align: center;">35 Shore</p>	<ul style="list-style-type: none"> • More control in the heel while cushioning the forefoot. Good for <i>sesamoid</i> and <i>metatarsal</i> conditions • Good for patients adjusting to wearing orthotics with transverse arch corrections (e.g. softer metatarsal pad) • Insoles that need more flexibility through the forefoot (e.g. dance or elegant shoes) 	 <p style="text-align: center;">35/25 Shore</p> <ul style="list-style-type: none"> • Soft insole good for cushioning with medium heel control  <p style="text-align: center;">45/35 Shore</p> <ul style="list-style-type: none"> • Medium-firm heel control with softer forefoot <p><small>*Available standard and wide shape)</small></p>	<ul style="list-style-type: none"> • More control in the heel while cushioning the forefoot • Cushioned forefoot for <i>sesamoid</i> or <i>metatarsal</i> conditions • Reinforced heel for gait strike zone  <p style="text-align: center;">45/35/25 Shore</p> <ul style="list-style-type: none"> • Soft forefoot with medium-firm heel  <p style="text-align: center;">50/35/25 Shore</p> <ul style="list-style-type: none"> • Firm heel control and midfoot 	<p>28mm</p> <ul style="list-style-type: none"> • Regular foot, minimal corrections • Children's insoles • To fit into small shoes (e.g. ladies court shoes) <p>31mm</p> <ul style="list-style-type: none"> • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises <p>36mm</p> <ul style="list-style-type: none"> • Good for highly specialised and corrected insoles • Can accommodate deformities such as <i>charcoats</i>, <i>hallux-valgus</i>, also dressings and offloading for <i>diabetic patients</i>



45 shore density (28mm grey or 31mm black)




- Medium to firm density
- Good for insoles for active patients
- Good for medium to heavy weight patients

Standard shape	Wide shape	2 - components	3 - components	Thickness: 28mm/31mm/36mm	
<ul style="list-style-type: none"> • Regular width footwear and feet • To fit in small shoes (e.g. ladies court shoes, football boots, etc) 	<ul style="list-style-type: none"> • Good for patients with wide feet • More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformities  <p>45 Shore</p>	<ul style="list-style-type: none"> • More control for the heel while cushioning the forefoot • Cushioned forefoot for <i>sesamoid</i> and <i>metatarsal</i> conditions • More flexibility through the forefoot (e.g. insoles for dance or elegant shoes) • Reinforced heel counter for high frequency heel strike activities <p>*Available standard and wide shape</p>	 <p>45/35 shore</p> <ul style="list-style-type: none"> • For medium-firm heel control with softer forefoot  <p>50/45 shore</p> <ul style="list-style-type: none"> • For heavy duty use such as heavier patient weight and repetitive high impact heel strike • Firm heel control 	<ul style="list-style-type: none"> • For patients that need more control in the heel while cushioning the forefoot • Cushioned forefoot for <i>sesamoid</i> or <i>metatarsal</i> conditions • Reinforced heel for gait strike zone  <p>45/35/25 Shore</p> <ul style="list-style-type: none"> • Soft forefoot with medium-firm heel control  <p>50/45/35 Shore</p> <ul style="list-style-type: none"> • Firm heel control 	<p>28mm</p> <ul style="list-style-type: none"> • Regular foot, minimal corrections • Children's insoles • To fit into small shoes (e.g. ladies court shoes) <p>31mm</p> <ul style="list-style-type: none"> • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises <p>36mm</p> <ul style="list-style-type: none"> • Good for highly specialised and corrected insoles • Can accommodate deformities such as <i>charcoats</i>, <i>hallux-valgus</i>, also dressings and offloading for <i>diabetic</i> patients



50 shore density (brown)

- Firm density
- Good for heavy duty use such as heavier weight patients
- Firm footbed with special thick soft cover for diabetes

Standard shape	Wide shape	2 - components	3 – components	Thickness: 28mm/31mm/36mm
<ul style="list-style-type: none"> • Regular width footwear and feet • To fit in small shoes (e.g. ladies court shoes) • football boots, • Hockey or ski boots) 	<ul style="list-style-type: none"> • Good for patients with wide feet • More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformity  <p style="text-align: center;">50 Shore</p>	<ul style="list-style-type: none"> • More control in the heel while medium firmness in the forefoot • For heavy duty use such as heavier patient weight • Reinforced heel counter for high frequency heel strike activities  <p style="text-align: center;">50/45 shore</p> <ul style="list-style-type: none"> • Available standard shape • Wide shape on order 	<ul style="list-style-type: none"> • Good for patients that need more control for the heel and midfoot while cushioning the forefoot • Cushioned forefoot for <i>sesamoid or metatarsal</i> conditions • Reinforced heel for gait strike zone  <p style="text-align: center;">50/45/35 Shore</p> <ul style="list-style-type: none"> • Firm heel control • Available standard and wide shape 	<p>28mm</p> <ul style="list-style-type: none"> • Regular foot, minimal corrections • Children’s insoles • To fit into small shoes (e.g. ladies court shoes) <p>31mm</p> <ul style="list-style-type: none"> • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises <p>36mm</p> <ul style="list-style-type: none"> • Good for highly specialised and corrected insoles • Can accommodate deformities such as <i>charcoats, hallux-valgus</i>, also dressings and offloading for <i>diabetic</i> patients



EVA C Cork 25 shore density (turquoise blue)

- EVA 25 density with cork particles throughout material
- Soft density, good for cushioning insoles
- Cork insole good to use for customised sandal footbeds

Standard shape	Wide shapes	28mm wide shape	31mm wide shape
<ul style="list-style-type: none"> • Not available 	<ul style="list-style-type: none"> • For midsole and footbed in customised sandals • Good for patients with wide feet • More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformities 	<ul style="list-style-type: none"> • Available in sizes 38, 40, 42, 44, 46, 48 • Size 50 on order 	<ul style="list-style-type: none"> • Available in sizes 38, 42, 48 • For midsole and footbed in customised sandal. Make minimum thickness at least 5mm when milling. • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises



EVA C Cork 35 shore density (white)

- EVA 35 density with cork particles throughout material
- Medium density
- Cork insole good to use for customised sandal footbed

Standard shape	Wide shapes	28mm wide shape	31mm wide shape
<ul style="list-style-type: none">• Not available	<ul style="list-style-type: none">• For midsole and footbed in customised sandals• Good for patients with wide feet and shoes• Orthopedic shoes• More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformities	<ul style="list-style-type: none">• Available in sizes 38, 40, 42, 44, 46, 48• Size 50 on order	<ul style="list-style-type: none">• Available in sizes 38, 42, 48• For midsole and footbed in customised sandal. Make minimum thickness at least 5mm when milling.• Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises

EVA C Cork 45 density (black or green)

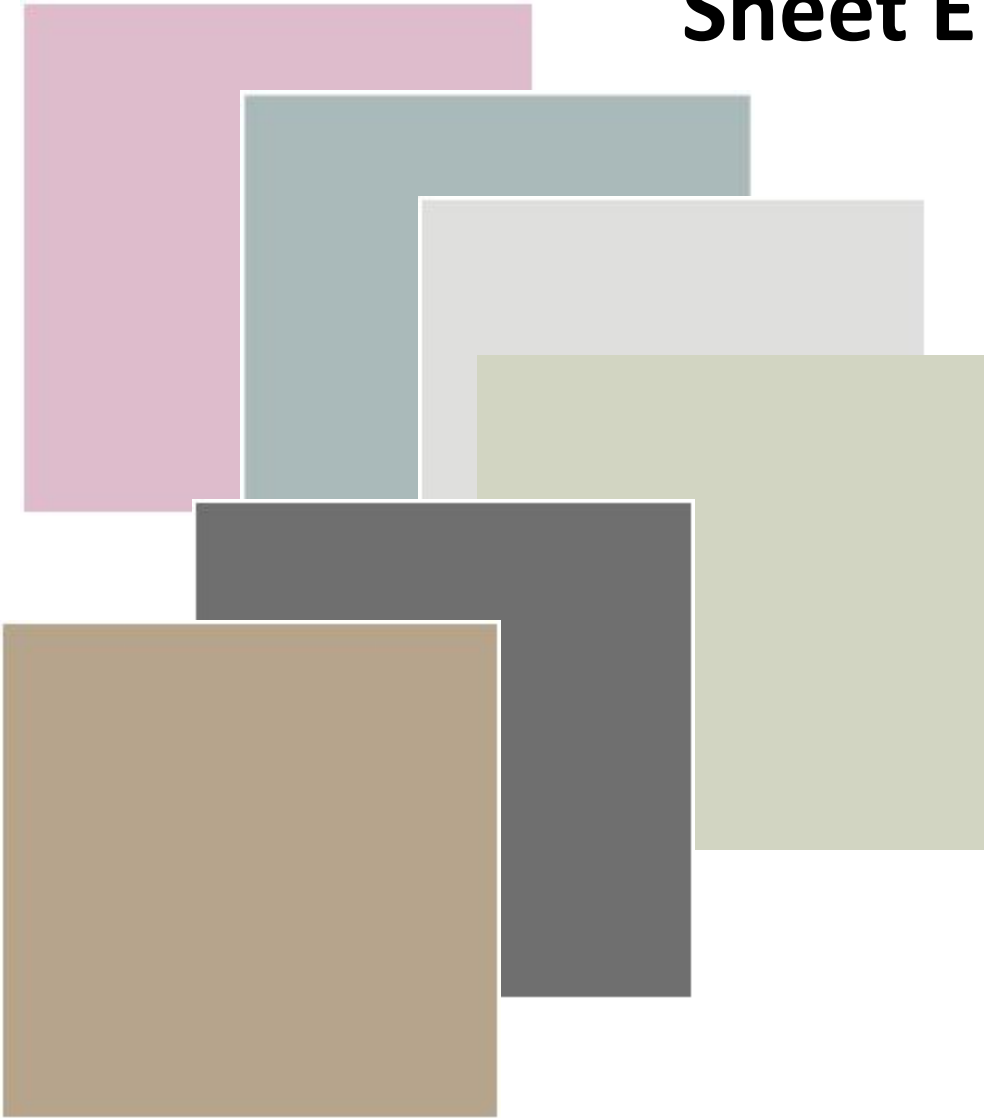


- EVA 45 density with cork particles throughout material
- Cork insole good to use for customised sandal footbed
- Strong, long lasting material
- Black or green EVA available



Standard shape	Wide shapes	28mm wide shape	31mm wide shape
<ul style="list-style-type: none"> • Not available 	<ul style="list-style-type: none"> • For midsole and footbed in customised sandals • Good for patients with wide feet • More room for corrections to accommodate <i>hallux-valgus/arthritis/ulcers</i> and other deformities 	<ul style="list-style-type: none"> • Available in sizes 38, 40, 42, 44, 46, 48 • Size 50 on order 	<ul style="list-style-type: none"> • Available in sizes 38, 42, 48 • For midsole and footbed in customised sandal. Make minimum thickness at least 5mm when milling. • Allows more height for corrections e.g. deeper heel cup, forefoot corrections, heel raises

Sheet EVA



- To add removable or extra layers and corrections to milled insoles (e.g heel raise, removable metatarsal pad)
- To patch milled orthotics
- Shore densities and colours match milling blocks
- 30mm and 35mm thickness can be used to cut milling blocks from

Density

- Pink 20 shore;
- Blue/Turquoise 25 shore;
- White 35 shore;
- Green or Grey 45 shore;
- Brown 50 shore

Thickness:

- 5mm
- 10mm
- 30mm
- 35mm