



Updated: December 2022

Material Selection

Choosing the right material for your patient depends on a number of factors. There are a lot of elements to consider when making these decisions, among the most important are:

1. Size and weight of patient
2. Activity level of patient
3. Main symptom presented
4. Secondary symptoms presented
5. Longevity considerations (ie. how long does the insole need to last?)
6. Financial considerations

All warranty periods cover base material structure. Wear and tear in custom fabric top covers are common and not covered by warranty. Natural perforation to base materials will be covered by warranty.

Two Major Categories of Pain:

Plantar Surface Pain (PSP)

These are common problems providers see everyday and

- arch pain
- bunions/hallux valgus
- calcaneal periostitis
- heel spurs
- metatarsalgia
- mortons neuroma
- plantar fasciitis

Typically use: EV40, PZ 1 or PZ 26



All Other Pain:

- Knee pain
- Hip pain
- Low back pain
- Hammertoes
- Ankle pain
- Alignment issues

Typically use: EV60, Combi2, Combi6

Current Material offerings:

SOFT

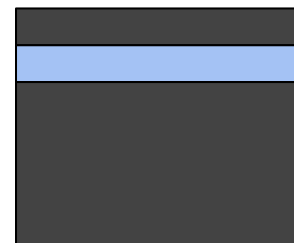
1. Comfort Durable EV40 -

Extra soft, use for plantar surface pain (PSP - a term used frequently by EvenKeel to refer to a group of problems including plantar fasciitis, metatarsalgia, mortons neuroma, arch pain, bunions/hallux valgus, calcaneal periostitis). When using EV40 consider increasing the forefoot posting by 1 or 2 degrees and leaving toe box thickness and heel height larger. This material compresses more than other foams like the PZ LD70 or the EV60. Warranty, 6 months.



2. Comfort Plus PZ Type 26 -

LD45 soft upper layer with medium firm base and a middle layer of shear force reducing non-memory polyurethane foam. This material is especially good at managing severe PSP that does not resolve after attempts with other materials. It can be considered a first line approach when the plantar surface pain warrants immediate attention - such as with lesions. Type 26 tends to break down after time faster than other materials but it is so effective at managing pain while maintaining a firm base structure that it is often well worth the risk of early deconstruction. Warranty, 6 months





MEDIUM

1. Comfort Active - PZ Type 1
Soft top with Medium firm base. This is a go-to for everyday accommodation and functional support combined. The Plastazote (PZ) LD45 conforms to the foot and the PZ LD70 provides flexible structure needed for maximizing biomechanical posting.
Warranty 6 Months
2. Active Accel EV60 -
This medium firm is still quite soft if activity intensity is considered high. Use readily for patients with problems above the plantar surface of the foot. If the patient is particularly flat footed and there is a concern for ankle, knee, calf, hip or back pain then this material will suffice and for athletes may even be considered too soft. Consider a firm or extra firm material for those patients.
Warranty - 8 months



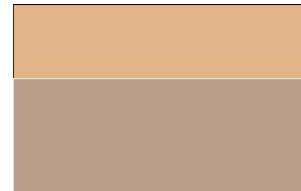


FIRM

1. Active High Performance - Combi-2

Very firm material, dual layered vulcanized material which lasts significantly longer than other materials. However activity again will play into the decision here as we would highly recommend this for high impact activity where plantar surface pain is not a consideration. The upper layer is a 22 Shore A medium soft EVA and the base is an medium firm 30 Shore A EVA.

Warranty 8 months.



2. Active Extreme - Combi-6 -

Extra firm material, similar in formulation to the Combi 2. Also a dual layered vulcanized material which lasts significantly longer than other materials - more than 3 years of wear not uncommon. The upper layer is a 30 Shore A medium firm EVA and the base an extra firm 50 Shore A EVA. Ideal for thin devices where space is limited in shoes.

Use only in cases where plantar surface pain is not an issue, the patient requires extra firm material for high impact activity and the patient can tolerate extra firm materials. Ideal for bike cleats, long distance runners, dress orthotics and other shoes where volume is limited.

Warranty 12 months.

