

An important consideration, especially in busy, commercial operations, is the selection of flooring materials which will show minimal damage from the indentation stresses of spike heeled or high-heeled shoes.

A 200 pound man wearing flat bottom dress shoes with a typical heel will exert a force of 30 psi.

The load force from a ¼” high-heel or stiletto shoe when worn by a typical 125 pound shopper is 2,000 psi! A nail head that protrudes from a broken or worn high-heel can exert a force of 8,000 psi! This is enough force to crush concrete.

High-heel forces can cause permanent damage to all natural hardwood flooring products. The acrylic infusion process significantly reduces the severity of high heel indentations and makes them less noticeable. However, it is important to note that even acrylic infused flooring will show visible indentations from high-heels and heavy point loads from furniture. Keep in mind that certain cleats and sports shoes can also indent the flooring surface.

Unfortunately visible high-heel / furniture indents can only be taken out of a floor by sanding and recoating, provided the indents are not too deep.

High-heel indents, furniture indents, etc. will not affect the performance of the acrylic infused wear layer and are not considered to be a manufacturing defect. Nydree Flooring will not accept any claims for indentation caused by heavy point loading.

Prevention from Furniture Indentation/Scratching

1. Use smooth, non-staining, rust proof, flat surface metal, plastic or glass support cups, two inches or greater in width. Place beneath legs of heavy furniture and equipment to spread the weight load and to reduce indentations.
2. From the ends of chair legs, remove small diameter metal and plastic “buttons” and substitute smooth, flat surfaced felt glides one inch or greater in diameter. The felt glides that mechanically fasten into the chair legs are preferred over the adhesive-backed felt glides. It is important to keep the floor swept on a regular basis to minimize grit. Otherwise the grit in the glides can scratch and scuff the floor finish. Inspect glides regularly to prevent scratching. Replace fabric-faced glides as needed.
3. Use large (at least 2” in diameter), broad surfaced (at least ¾” in width), barrel-type, double wheel casters (non-marking rubber or polyurethane) on chairs and furniture legs to prevent scratching, scuffing and denting. Keep casters clean by inspecting regularly.
4. When moving heavy furniture, equipment, etc., use roller casters and be sure to protect the flooring with heavy cloth or cardboard.