

SILICONE SURFACTANTS FOR POLYURETHANE SYSTEMS IN FOOTWEAR - PART 1



INTRODUCTION

Footwear is one of the sectors with the most product lines by Concentrol for **the manufacturing process of monodensity and bidensity soles and shoes**. In addition, we have products for the different manufacturing processes: **direct injection** or **subsequent assembly**.

- There are different types of surfactants: those designed for polyester-based PU systems (in integral PU and footwear) and those that are for polyester-based systems (only in PU for footwear).

4 FACTORS TO DETERMINE THE QUALITY OF POLYURETHANE FOAM:

- **Ross-flex properties**
- **Degree of hardness**
- **Tensile strength**
- **Cell regulation**

* These aspects of the foam can be regulated with the use of surfactants.