

## Hi-Performance Industrial Products

# Rubber / Compound Solutions

### **ECOFILL's High Performance Rubber / Compound Solutions**

As Ecofill has been present on the International Aluminium Extrusion Industry for over 30 years or more. We have many years of experience in mechanical engineering as well as being consultants, manufacturer and supplier of High performance rubber and compound solutions.

High quality and optimal service are evident at Ecofill, on top fast deliveries and competitive prices.



For the Aluminum Extrusion Industry we use different compounds of which following rubbers are mostly preferred:

NBR, EPDM, Hypalon and high performance polyurethane PU



### ECOFILL's High Performance Rubber / Compound Solutions

Next to the complete manufacturing of high temperature resistant (up to 650 C), industrial technical Needle felts like endless conveyor belts, roller sleeves, pads, spacer sleeves and a lot more, ECOFILL has a separate division for the production of high grade rubber / compound roller coverings for the lower temperature range. (0-240C)

Typical application areas: driving pulley's for high-mid and lowtemperature conveyor belts, in –and outfeed rollers finishing (cold )saw, profile correcting rollers, disks, plates and rollers for packaging line areas.

# All compounds with extremely high mechanical load bearing capacity

- High dynamic capacity
- Very low internal heat build-up
- · High resistance to wear under extreme conditions

Typical compound roller hardness from 70 up to 95 SH A.

The selection of the best rubber compound for your particular application mostly depends on not leaving marks on the aluminum profiles together with high wear resistance, on top: shearing and tearing resistance and high durability all of which are critical and important factors of concern.

ECOFILL specialists will be happy to assist you in choosing the right material for your individual application.

The manufacturing process is based on advanced technologies but can be simplified as described below:

Steel or aluminum Roller assemblies to be rubberized first are sandblasted for optimal adhesion, after which the specific compound is applied under high pressure as a rubber-sheet and the total assembly is cured or vulcanized in an autoclave.

After an average curing time of appr. 4-8 hours the rubberized rollers are ready to be stone-grinded to the final outside diameter.

During the grinding process there's a permanent monitoring of roller diameter, length, axilality, parallelism and cylindrical run.

### Features:

- High dynamic capacity
- Very low internal heat build-up
- High resistance to wear under extreme conditions
- High friction on the aluminium profiles.

### **ECOFILL INTERNATIONAL B.V.**

Produktieweg 30 | 2382 PC Zoeterwoude | The Netherlands | Phone: +31 (0) 71 – 5412889 | Fax:+31 (0) 71 – 5413642 E-mail: info@ecofill.com | www: http://www.ecofill.com

