



Raschel Sheets

Raschel (mesh) material in sheets or rolls is often used also in construction industry and especially in production of concrete pavement stones or other concrete pieces. The raschel sheets are used as interlayers inserted between two layers of concrete pavement stones. The sheets prevent scratching of the stones during transportation on pallets when the single layers can horizontally shift and damage so the sensitive surface of the stones. The raschel material is flexible, strong, yet permeable and allows the concrete stones to „breathe“ and mature even after storage on the pallets. Other materials which are sometimes used as substitutes do not meet some or all the requirements which the raschel sheets easily fulfill.

Corrugated cardboard sticks to the fresh, wet concrete and disvalue the stones. When exposed to rain or snow it dissolves and do not fulfill its function. Plastic foil closes usually wet surface of the concrete. This may result in stains of various colour, may discolour the coloured stones and also mould may appear which can seriously damage the stones. Plastic foil is also missing the vertical flexibility and cannot so properly protect the stones. Beside that it can be easily torn out by hard stones. Sand or crushed stone scattered among layers of the stones: As the weight of the stones is considerable and also the interlayers are strongly pressed, the small sharp stones can damage the surface of the stones which is still wet and not completely mature, i.e. not hard enough. During transportation, exposed to various shocks the sandy interlayer can pour out and disappear completely leaving the stones unprotected.

Vertical binding of the stones: Does not solve the main problem, risk of scratching when the stones move horizontally during transportation on pallets.

Scratched coloured stones lose its value and mostly cannot be used at all. This results in heavy losses, which can be effectively prevented by cheap yet quality raschel sheet.

AICA branded quality raschel sheets are produced of new 100% pure polyethylene, transparent, UV rays resistant with weight of **30 g/m²**. The raschel sheet for application in the concrete stones production are supplied in two modifications:

1) **Raschel sheets in pieces**

These sheets are applied manually and mostly two dimensions are used:

- sheets 80 x 120 cm for standard Euro pallets, packed in bales of 3000 pcs.
- sheets 100 x 120 cm for non standard pallets with required higher stability, packed in bales of 4000 pcs.

2) **Raschel sheets in rolls** are used in automatic production lines. The machine unwinds the roll, applies the sheet and cuts it off in single automatic operation. The rolls are mostly supplied in two dimensions:

- 120 cm wide rolls with length 720 m (equivalent of 900 pcs of 80 x 120 cm sheets in pieces), or
- 78 cm wide rolls with length 750 m (equivalent of 625 pcs of 78 x 120 cm sheets in pieces)

Both types of rolls have 10 cm diameter inner tube and are packed in protective polyethylene foil.

Advantages of the AICA branded raschel sheets:

complete assortment of all required sizes

excellent, proved quality, produced of new, first time used high quality 100% polyethylene

assortment for both manual use and automatic packing lines

very competitive price

