

Basics

- Typical widths for rug and mat printing are 2 m / 4 m / 5 m (6 ft / 12 ft / 15 ft)
- These products are mainly used for the residential market
- Polyamide (Nylon) is the most popular face fibre. For some hospitality applications also wool or wool/nylon is processed
- Using Polyester as face fibre may well become the next trend, because it is relatively inexpensive and stain-resisting by nature

Printing Methods



Printing tufted carpets without secondary backing

- If rugs and mats are printed on carpets without secondary backing, it is essential that the back coating line will correct the bowing and skewing effects from the printing line
- Advantages: Less energy consumption for steaming and drying; the value of carpet waste is less in comparison to backed carpet
- Disadvantage: Higher risk of bowing and skewing during processing
- In order to save money, most mats on low-pile loop carpet are printed on unbacked carpet



Printing tufted carpet with secondary backing

- In the USA and the Far East, rugs are usually printed on already backed carpet
- Advantages: The carpet is very stable, bowing and skewing problems are not existing
- Disadvantages: The secondary backing or gel foam backing must be water proof and must withstand the steaming and drying process during processing
- The line must also be designed to handle the stiffer backed carpet (using accumulators instead of J-Boxes; different washing and vacuum system, longer dryer...)

Printing Technology



CHROMOJET.PRINTER

| 25 dpi spot color printing

- The **CHROMOJET .**
PRINTER, using pre-mixed spot colors, is recommended for high-volume production



CHROMOJET.PRINTER

| 76 dpi process color printing

- The **CHROMOJET** 76 dpi printer, using pre-mixed spot colors, is recommended for high-volume production



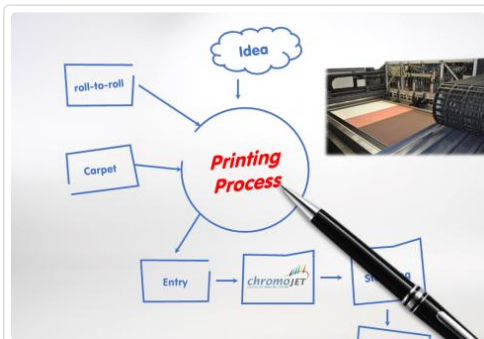
COLARIS.CARPET PRINTER

| Inkjet printing

- If low-pile is the main product type, **COLARIS** .

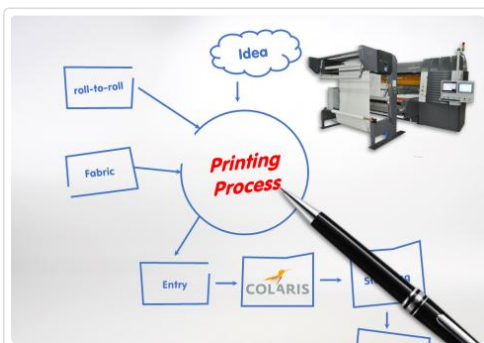
CARPET PRINTER is the best choice, because it offers high output at finest details and unlimited number of colors and shades

Printing Process



CHROMOJETprinting on Polyamide (Nylon), wool, cationic dyeable Polyester and Acrylic carpets

- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- Design printing with **CHROMOJET**
- Steaming for about 5 - 8 minutes
- Washing and vacuum extraction
- Application of stain-blocker, followed by optional steaming and washing
- Drying (double-impingement dryer or flow-through dryer)
- Accumulator, winder

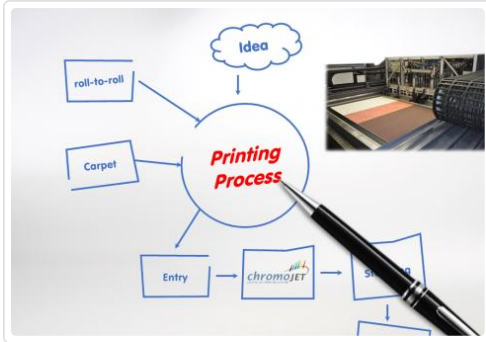


COLARISprinting on Polyamide (Nylon), wool, cationic dyeable Polyester and Acrylic carpets

- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- Digital pre-coating with **CHROMOJET**
- Design printing with **COLARIS**
- Penetration enhancement with **SUPRAPRESS**
- Steaming for about 5-8 minutes
- Washing and vacuum extraction
- Application of stain-blocker, followed by optional steaming and washing
- Drying (double-impingement dryer or flow-through dryer)
- Accumulator, winder

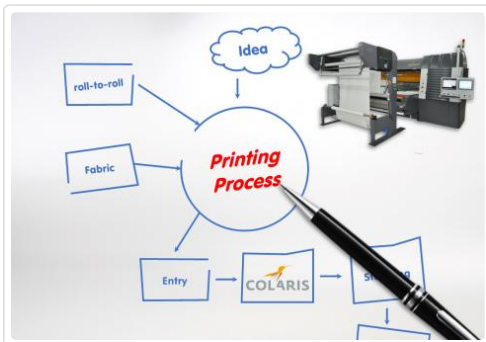
Rugs, Mats and Runners (?????????????)

michael.heinrich / PDF / ??, 08/10/2017 - 11:47



CHROMOJETprinting on Polyester carpets with tufted on nonwoven Polyester primary backing

- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- Design printing with **CHROMOJET**, with minimum pick-up
- Penetration enhancement with [SUPRAPRESS](#)
- Drying at 130°C / 266°F
- Heat-fixation in a stenter for about 2 minutes at 180°C / 356°F
- Reductive washing and vacuum extraction
- Drying
- Accumulator and winder



COLARISprinting on Polyester carpets with tufted on nonwoven Polyester primary backing

- Carpet preparation with unrolling, pre-steaming or pre-washing, guiding
- Digital pre-coating with **CHROMOJET**
- Design printing with **COLARIS**
- Penetration enhancement with [SUPRAPRESS](#)
- Drying at 130°C / 266°F
- Heat-fixation in a stenter for about 2 minutes at 180°C / 356°F
- Reductive washing and vacuum extraction
- Drying
- Accumulator and winder

Get more information in our PDF's: