

Wall-to-Wall (???)

michael.heinrich / PDF / ??, 08/10/2017 - 11:43

Basics

- Wall-to-wall carpets are printed either in 4 m (12 ft) or in 5 m (15 ft) width
- This product is especially popular in the contract market like hotels, restaurants, show rooms, offices, ...
- In most cases, Polyamide (Nylon) is used as face fiber. For some hospitality applications also printed wool or wool/nylon is used

Printing Methods



Printing on tufted carpet without secondary backing

- Most of the customers in Europe and the Middle East are printing on tufted carpet without secondary backing, which is applied after the printing process.
- The advantage is lower energy consumption in the steaming and drying process, and the value of the waste material is less in comparison to backed carpet.
- One disadvantage is a higher risk of bowing and skewing during handling.
- Most mats on low-pile loop carpet are printed on unbacked carpet to save money.



Printing on tufted carpet with secondary backing

- In the USA and the Far East, wall-to-wall carpets are mostly printed on already backed carpet.
- Advantage: the carpet is very stable, and bowing and skewing problems are not existing.
- Disadvantages: the secondary backing must be attached using a water-proof latex, and more energy is needed for steaming and drying.
- The line must also be designed to handle the stiffer backed carpet (accumulators instead of J-Boxes; different washing and vacuum system, longer dryer...).

Printing Technology



CHROMOJET.PRINTER

|25 dpi spot color printing

- For high volume production, the **CHROMOJET** spot color technology using pre-mixed spot colors is the best solution.



CHROMOJET.PRINTER

|76 dpi process color printing

- For highest flexibility and freedom in design, the **CHROMOJET** process color technology is highly recommended.



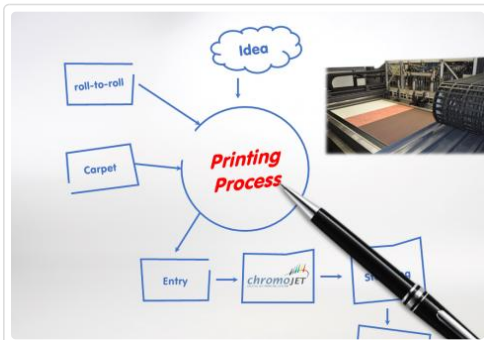
COLARIS.CARPET PRINTER

|Inkjet printing

- If low-pile is the main carpet type, the best choice is **COLARIS**.

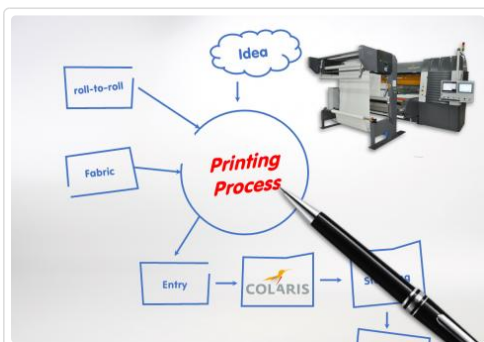
CARPET PRINTER. It offers high output with finest details and an unlimited number of colors and shades.

Printing Process



The CHROMOJETsolution for printing 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
- Stain-blocker application followed by optional steaming and washing
- Drying (double impingement dryer or flow-through dryer)
- Accumulator, roll-up

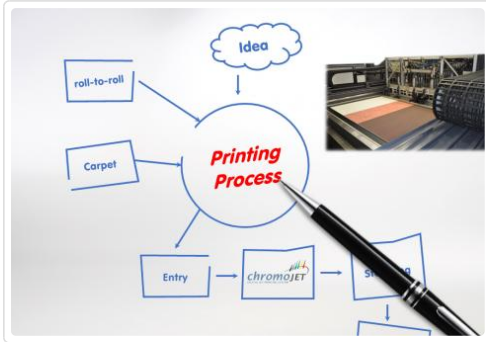


The COLARISsolution for printing on Polyamide (Nylon), Wool, cationic dyeable Polyester and Acrylic carpets

- 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

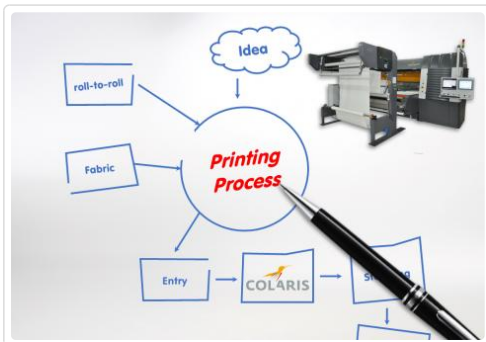
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The CHROMOJET solution for printing on Polyester carpets, tufted on nonwoven Polyester primary backing

- 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, winder



The COLARIS solution for printing on Polyester carpets, 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, winder

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