

Carpets and Mats

markus.breitenlechner / PDF / Thu, 04/28/2022 - 12:44



Basics

- Promotional carpets are normally printed on a 2,200 mm wide **COLARIS** .

PRINTER or **CHROMOJET** .

PRINTER

- Velour and heat-set type tuft constructions out of Polyamide are used as basic cloth
- A non-woven primary backing is recommended as secondary backing, offering easy cutting and giving stability
- The carpet is normally backed using a dark, high-density gel foam

Printing Technology



CHROMOJET . PRINTER

| 76 dpi process color printing using 14 basic colors

- Offers good penetration, especially in combination with [SUPRAPRESS](#) penetration system; also suitable for high-pile products
- Special dyes may be used
- Up to 2 colors may be filled with pre-mixed spot colors



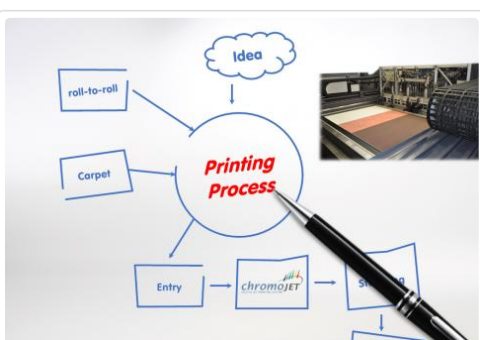
COLARIS . CARPET PRINTER

| Inkjet printing

COLARIS is the most flexible and efficient solution for the promotional carpet and mat industries

- High productivity of up to 5 m/min with 2,000 mm printing width
- Number of colors 6 up to 12
- Ready-for-use inks - no color kitchen required
- Good penetration up to a pile weight up to 1,000 g/m²

Printing Process



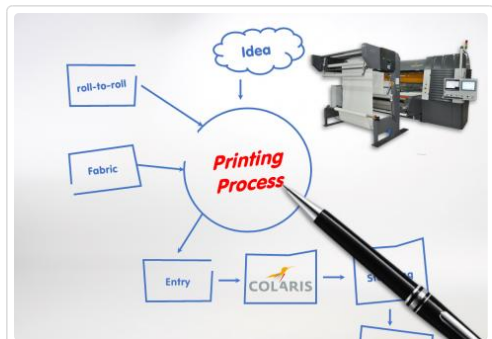
CHROMOJET printing on Polyamide (Nylon) and cationic dyeable Polyester carpets

- 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

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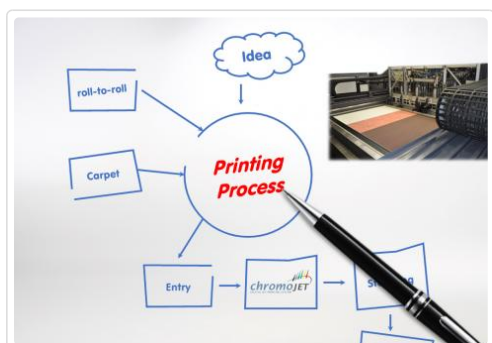
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- Drying (double-impingement dryer or flow-through dryer)
- Accumulator, winder



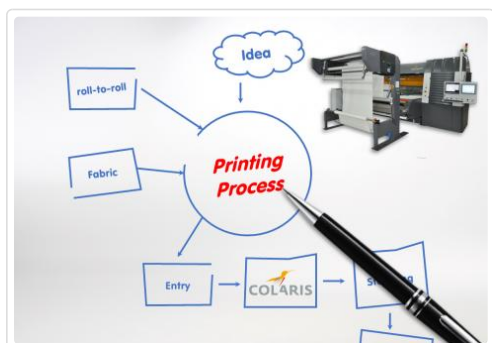
COLARISprinting on Polyamide (Nylon) and cationic dyeable Polyester carpets

- 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
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- Application of stain-blocker, followed by optional steaming and washing
- Drying (double-impingement dryer or flow-through dryer)
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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, winder



COLARISprinting on Polyester carpets with tufted on nonwoven Polyester primary backing

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- Digital pre-coating with **CHROMOJET**
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