

TECHNOLOGY APPLICATION CENTER

FOR DIGITAL PRINTING AND COATING



The target & strategy of the Technology Center

- R&D
- Sampling
- Workshops & Training
- Conventions



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FIRST IN QUALITY & FIRST IN SERVICE

PIONEERING INNOVATIONS FOR MORE THAN 140 YEARS



All machines and components from **ZIMMER AUSTRIA** are carefully inspected and tested before shipping to customers to ensure efficient installation and best performance with 100% satisfaction.

CHROMOJET & COLARIS on-site customer support is guaranteed by **ZIMMER AUSTRIA** engineers and technologists and by service partners worldwide.

This setup guarantees a short response time to service calls from customers.

INNOVATION

QUALITY

SERVICE

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CARPET FIBERS & DYE CLASSES

FOR **CHROMOJET** or **COLARIS**
PRINTING PROCESS



40 Years of Experience in Digital Printing

MORE INNOVATIONS | MORE FLEXIBILITY | MORE PRODUCTS

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		Polyamide/Nylon (PA)	Wool (WO)	Cationic modified Polyester (EDP)	Sorona, Triexta (PTT)	Polyester (PET, PES)	Acrylic (PAC)	Cotton (CO)	Olefin, Polypropylen (PP)
		high price good resilience easy process	very high price moderate resilience dull color	moderate price moderate resilience easy process	slightly cheaper than polyamide very good resilience easy process	low price good fastness low resilience difficult process brilliant and shiny	high price excellent light fastness very soft (like wool) bad resilience	high price very good wash fastness difficult process	low price can not be dyed or printed
Property and Fastness	Resilience	+++	++	+	++	--	--	--	--
	Flame resistance	++	+++	+	++	+/-	+/-	+	+/-
	Stain resistance	-	+	+	+++	+++	+	--	++
	Light fastness	++	++	+	++	+++	+++	+	++
	Wash fastness	++	++	++	++	+++	++	+++	++
	Chlorine fastness	+	+	++	++	+	++	+	++
Applications		contract carpet, carpet tiles, laundry mats	rugs, contract carpet	rugs, mats, semi-contract carpet	contract carpet, carpet tiles, rugs	rugs, mats	rugs, mats, bath mats	rugs, mats, bath mats	rugs, mats
Dye Class and after Process Printing	Acid	<ul style="list-style-type: none"> ▶ steaming 3-6 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 	<ul style="list-style-type: none"> ▶ steaming 8-10 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 						can not be printed or dyed; only solution/spin dyeing possible
	Disperse			<ul style="list-style-type: none"> ▶ steaming 5-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ washing ▶ spraying ▶ vacuuming ▶ drying 	<ul style="list-style-type: none"> ▶ steaming 5-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ washing ▶ spraying ▶ vacuuming ▶ drying 	<ul style="list-style-type: none"> ▶ drying ▶ hot air fix. 1 min. from 170 - 190 °C ▶ spraying ▶ vacuuming ▶ reductive washing ▶ vacuuming ▶ cold washing ▶ vacuuming ▶ drying 			
	Reactive	<ul style="list-style-type: none"> ▶ steaming 6-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 	<ul style="list-style-type: none"> ▶ steaming 6-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 				<ul style="list-style-type: none"> ▶ steaming 6-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 		
	Cationic <i>(Cationic dyes are only used with CHROMOJET)</i>			<ul style="list-style-type: none"> ▶ steaming 6-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 			<ul style="list-style-type: none"> ▶ steaming 6-8 min. at 100°C ▶ spraying ▶ vacuuming ▶ spraying ▶ vacuuming ▶ drying 		