



 **Rolflex[®] BK**

Where bonds build
performance

Stalkers
Solutions

Innovation through blocked polyisocyanate technology

The Rolflex® BK line represents a key technological achievement, featuring Lamberti's patented range of blocked polyisocyanates. These crosslinkers are specifically engineered to address the full spectrum of modern market demands, offering an exceptional balance of cost-effectiveness, precise performance specifications, and regulatory compliance.

A core benefit of the Rolflex® BK technology is the use of non-hazardous blocking agents, which enables lower deblocking temperatures for significant energy savings. This, combined with the technology's ability to achieve all major market certifications, makes Rolflex® BK the versatile and responsible choice for applications requiring reliable, durable blocked isocyanates.

BLOCKED ISOCYANATES							
Product	% Solid	NCO Type	Certifications	Blocking agent type	Curing temperature (°C)	Recommended dosage	Description
Rolflex® BK 23	30	Aromatic	Bluesign/ZDHC level 3	DIBA	140-150	Padding (10-30 g/L), Coating (5-10 %)	Durable Water Repellency, Stiffening, and Adhesion Promotion
Rolflex® BK 40	40	Aliphatic	Bluesign/ZDHC level 3/GOTS	DIPA	130-140	Printing (20-30 g/Kg), Coating (5-10 %)	Durability Enhancer for Acrylic and PU Resins
Rolflex® BK 18	40	Aliphatic	Bluesign/ZDHC level 3	DIPA	150-160	Printing (20-30 g/Kg), Coating (5-10 %)	Universal Fastness Booster for Pigment Inks in Conventional and Digital Printing
Rolflex® BK 1	30	Aliphatic	Bluesign/ZDHC level 3	N-tBBA	100-110	Printing (20-30 g/Kg), Coating (5-10 %)	Low-Temperature Crosslinker for Heat-Sensitive Applications
Lamfinish FIX	35	Aliphatic	Bluesign/ZDHC level 3/GOTS	DIPA	130-140	Printing (30-40 g/Kg), Dyeing (20-30 g/L)	Economical Performance in Pigment Dyeing and Printing Systems

OTHER CROSSLINKERS						
Product	% Solid	NCO Type	Certifications	Curing temperature (°C)	Recommended dosage	Description
Rolflex® CX 01	70	Aliphatic isocyanate	Bluesign/ZDHC level 3	Room temperature	5-7 %	Ultra-Low Monomer Polyisocyanate for Superior Waterborne System Integration
Catalyst AT6/N BS	98	Polyaziridine	Bluesign/ZDHC level 3	Room temperature	2-3 %	High-Performance Polyaziridine with Ultra-Low Monomer Content

The Foundation of Performance: Starting Formulations for Lasting Waterproofing with Rolflex BK 23

Components	1	2
PFAS Free DWR	3%	3%
Competitor aliphatic crosslinker	2%	-
Rolflex® BK 23	-	1,5%
Spray test AATCC 22	75	100
Bundesmann ISO 9865 10 mins - leaking volume (mL)	78	47
Static wicking test (2h) - warp/weft (cm)	>6/>6	<2/<2

Components	1	2
PUD resin	100	100
Rolflex® BK 23	-	2,5
Waterproof ISO 811 (mmH2O)	5000	12000

