Monkal®-4

Cover Type: Special polyurethane

Possible applications:
Metals industry : applicator rollers for colour coating, lacquering, printing and chemical coating
Specifically suited for coatings with critical aspect (metallic coating, clear coat, low coating thickness etc.)

Metal packaging : coating on sheet, beverage cans and spray cans - suited for BPA-free food lacquering

Coating on paper, plastic film and aluminium foil : silicone coating, primer coating, varnish, protective coating…

Coating on wood and wood panels : bonding layers, catalyser or activator, varnish and clear coating, white coating, staining…

Silicone, primer and glue coating for the production of release, label and adhesive stock

Other roll-coating applications (PVC, textile, non-woven…)

Hardness Range: 40, 45, 50, 52, 55, 60, 65 Shore A

Recommended Cover Thickness: min. 15 mm - max. 30 mm

Temperature resistance:
Dry:	continuous 50°C / peak 80°C
Wet:	continuous 30°C / peak 40°C

Properties and advantages:
Outstanding surface wetting properties, also for water based products - high surface energy

High purity and homogeneity

Suitable for use in solvent environment (see specific recommendations) - Thanks to the special filler technology, Monkal-4 shows better stability in contact with solvents than other polyurethane covers

Good resistance to abrasion and tear

Easy to grind and to groove

Chemical resistance:
Acid solutions:	Moderate
Alkaline solutions:	Moderate
Hot water and steam:	Not suited
Ozone:	Good
Oil and grease:	Very good
Aromatic solvents (toluene, benzene,...):	Moderate
Chlorinated solvents:	Not suited

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Monkal®-4

| | Polar solvents (MEC, ether, acetate,...): | Moderate |
| | Alcohols (ethanol, IPA,...): | Good |

| **Recommended cleaning products:** | Water, soap & detergents, fuel, Solvesso, turpentine – with moderation: alcohol based cleaners, MEC |

| **Remark:** | For the correct use of Monkal-4 coated rollers and wheels, we kindly refer to the Monkal Quick Start Manual |

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