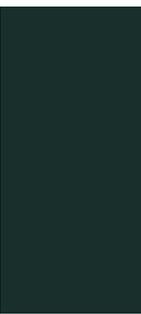
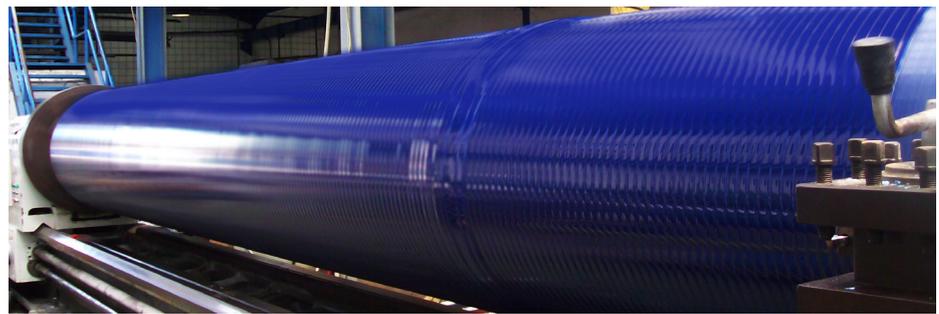
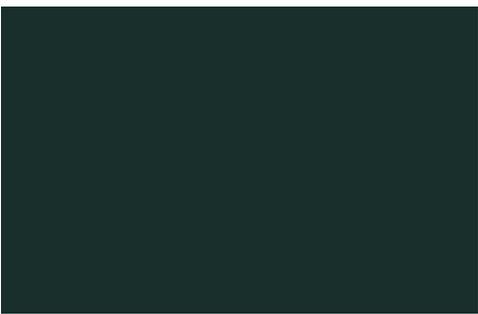


**ERAKOTE**  
Rotational Casting Systems



***Erakote is a specially designed system to produce high performance industrial rolls without the use of moulds to reduce production time and cost.***

## **ERAKOTE RANGE**

Our Erakote range produces roll covers with exceptional toughness, abrasion resistance and dynamic performance. They also have excellent heat and hydrolysis resistance.

## **THE PRIMARY ADVANTAGES OF THIS CASTING TECHNOLOGY ARE**

- No moulds
- No release agents
- Accelerated production
- Minimal material wastage



## **APPLICATIONS**

The Erakote polyurethane systems are used in the production of material handling rolls for the steel, paper and timber industries. Their tough durable nature means they are used extensively throughout the world in the Steel industry as Bridle Rolls, Pinch Rolls, Accumulator Rolls, Squeegee Rolls and Work Rolls.

Their superior hydrolysis resistance means they are also the perfect solution in the Paper industry. In this industry rolls often exceed diameters of 1m and lengths of 12m. The nature of the Erakote system means these large rolls can be produced without moulds and without oven curing.

## **ERAKOTE HAS ALSO BEEN USED FOR COVERS ON**

- Press Rolls
- Suction Rolls.
- Size press Rolls.
- Coating Rolls.
- Multi nip, soft and super embossing rolls.
- Centre Press Rolls.
- Conveyor Drive Pulleys
- Guide Rolls.
- Pickle Line Rolls.
- Reel Spools.



**PROCEDURE**

The Erakote systems work by applying highly reactive multiple-component polyurethane directly onto a rotating roll core to create a solid roll cover. Erakote rolls can be machined to the final size within hours of being cast and delivered within days instead of weeks or months. In some cases, the bearings from the roll journals do not have to be removed to improve time and cost savings.

There are a number of different Erakote systems that cover different customer requirements and applications.

The Erakote systems are available as 2 or 3 component to accommodate various machines.

**POLYETHER ERAKOTE**

The polyether range of Erakote systems comprises of the following:

- **Erakote EKF** is a Full Prepolymer range, the viscosity of this system is higher making it suitable for smaller diameter rolls.
- **Erakote EKQ** is a Quasi range, this is lower in viscosity so more suited to larger diameter rolls.
- **Erakote EKQD** is a high hardness range from 50D – 70D
- **Erakote EKL\*** is a new PPG version of the Erakote range currently in development.

**POLYESTER ERAKOTE**

Currently one polyester based system covers 45A – 95A:

- **Erakote EKEQ** has superior oil and solvent resistance and can be used for printing rolls.

CURRENT ERAKOTE SYSTEMS				
EKF-2K	EKQ-2K	EKQ-3K	EKQD-3K	EKEQ-3K
				45A
				50A
	60A	60A		60A
	65A	65A		65A
	70A	70A		70A
	75A	75A		75A
80A	80A	80A		80A
85A	85A	85A		85A
90A	90A	90A		90A
95A	95A	95A	50D	95A
	60D		60D	
	65D		65D	
	70D		70D	
	85D			

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# Era

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