

CREETY

Industrial Motors

Commercial & Appliance
Motors

Automation

Digital & Systems

Energy

Transmission &
Distribution

Coatings

Urethan-based coatings



Driving efficiency and sustainability



CREETY LINE

THE BENEFITS THAT MAKE A DIFFERENCE

Urethane-based coatings technology offers a unique combination of high abrasion, impact and chemical resistance, making it the ideal choice for demanding industrial environments. In addition, they provide superior durability in harsh conditions such as heavy traffic and temperature variations. With hygienic and easy-to-clean surfaces, they promote safety and practicality in daily operations.

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SELF-LEVELING PRODUCTS, PROVIDING SMOOTH AND UNIFORM SURFACES

High-performance three-component coating, recommended for surfaces requiring maximum mechanical and chemical resistance. Widely used in the food and pharmaceutical industries, it is perfect for high-traffic areas such as forklifts and trucks, as well as industrial kitchens and cold storage facilities.

This coating offers high resistance to abrasion and impact, forming a smooth and hygienic surface, ideal for applications requiring easy maintenance and cleaning.

ENSAIOS	MÉTODO/NORMA	RESULTADO
Aderência	ASTM D 4541	Ruptura 100% no Concreto
Coefficiente de Expansão Térmica	ASTM C 531	$3,6 \times 10^{-5} / ^\circ\text{C}$
Densidade	ASTM C 905	$\sim 1,800 \text{ g/cm}^3$
Resistência à Compressão	ASTM C 109/109M	$\geq 40 \text{ MPa}$ (7 dias) e $\geq 48 \text{ MPa}$ (28 dias)
Resistência à Flexão	ASTM C 580	$\geq 21 \text{ MPa}$ (28 dias)
Resistência à Tração	ASTM C 307	0,07 MPa
Resistência à Abrasão	ASTM D 4060, CS 17	$\geq 3,0 \text{ g}$
Módulo de Elasticidade	ASTM C 469	$\geq 1,03 \text{ GPa}$
Permeabilidade	CP.BM2/67/2	Absorção 0

- ✓ Outstanding resistance to abrasion, impact, and chemical agents
- ✓ Tolerance to surface moisture and freeze-thaw cycles
- ✓ Application to young concrete (10 to 12 days), reducing construction time
- ✓ Resistant to cleaning with hot water in the CIP process
- ✓ Thermal expansion coefficient similar to concrete





CREETY^{ES}

SPREADABLE PRODUCTS, IDEAL FOR HIGH-RESISTANCE SURFACES

High-resistance coating, perfect for surfaces requiring a **robust and durable** finish. Ideal for chemical and textile industries, logistics warehouses and areas exposed to aggressive chemical agents.

This product stands out for its extreme resistance to impact and abrasion, coupled with high substrate adhesion. It is designed to withstand heavy loads and offers excellent chemical stability, even in adverse conditions.

- ✓ *Non-slip finish for increased safety in work areas*
- ✓ *Resistant to abrasion, impact and thermal cycling*
- ✓ *No primers or sealers required, optimizing the application process*
- ✓ *Applicable to young concrete, with tolerance to surface moisture ($\leq 10\%$)*
- ✓ *High durability and waterproof performance*

ENSAIOS	MÉTODO/NORMA	RESULTADO
Aderência	ASTM D 4541	Ruptura 100% no Concreto
Coefficiente de Expansão Térmica	ASTM C 531	$3,9 \times 10^{-5}/^{\circ}\text{C}$
Densidade	ASTM C 905	2,205 g/cm ³
Resistência à Compressão	ASTM C 109/109M	$\geq 40 \text{ MPa}$ (28 dias)
Resistência à Flexão	ASTM C 580	$\geq 15 \text{ MPa}$ (28 dias)
Resistência à Tração	ASTM C 307	2,5 MPa
Resistência à Abrasão	ASTM D 4060, CS 17	$\sim 0,07 \text{ g}$
Módulo de Elasticidade	ASTM C 469	$\geq 1,16 \text{ GPa}$
Permeabilidade	CP.BM2/67/2	Absorção 0
Temperatura de uso	-	-40°C a 140°C

CREETY^{RP}

SPECIFIC PRODUCTS FOR BASEBOARDS, ENSURING FINISH AND DURABILITY

Developed for protecting vertical surfaces, ensuring safety and durability. Ideal for baseboards, containment dikes, tanks, drains, curbs and walls.

With excellent adhesion to vertical surfaces, this coating offers chemical and mechanical resistance, as well as protection against moisture and aggressive agents.



ENSAIOS	MÉTODO/NORMA	RESULTADO
Aderência	ASTM D 4541	Ruptura 100% no Concreto
Coefficiente de Expansão Térmica	ASTM C 531	$2,0 \times 10^{-5}/^{\circ}\text{C}$
Densidade	ASTM C 905	2,000 g/cm ³
Resistência à Compressão	ASTM C 109/109M	$\geq 40 \text{ MPa}$ (28 dias)
Resistência à Flexão	ASTM C 580	$\geq 15 \text{ MPa}$ (28 dias)
Resistência à Tração	ASTM C 307	2,5 MPa
Resistência à Abrasão	ASTM D 4060, CS 17	$\sim 0,07 \text{ g}$
Módulo de Elasticidade	ASTM C 469	$\geq 1,16 \text{ GPa}$
Permeabilidade	CP.BM2/67/2	Absorção 0
Temperatura de uso	-	-40°C a 140°C

- ✓ *Excellent resistance to abrasion, impact and chemical agents*
- ✓ *Direct application, no need for primers or sealers*
- ✓ *Quick curing, reducing operational downtime*
- ✓ *Waterproof and moisture-tolerant*
- ✓ *Thermal expansion coefficient aligned with concrete*

RESISTANCE TO COMMON INDUSTRIAL CHEMICALS

PRODUCT	CONCEN. %	TEMP. °C	RATING*	PRODUCT	CONCEN. %	TEMP. °C	RATING*
Acetaldehyde	100	22	R	Chloroform	100	22	L
Ethyl acetate	100	22	L	Aviation fuel	-	22	R
Acetone	100	22	R	Styrene	100	22	R
Acetic acid	10	20/85	R	Ethanol	100	22	R
Benzoic acid	100	22	R	Ethylene glycol	100	22	R
Citric acid	60	22	R	Brake fluid	-	22	R
Hydrochloric acid	20/35	20/60	R	Gasoline	-	22	R
Hydrofluoric acid	4	22	R	Fats	-	75	R
Hydrofluoric acid	20	22	L	Ammonium hydroxide	28	22	R
Formic acid	40/70	22	R	Potassium hydroxide	50	22	R
Formic acid	90	22	L	Sodium hydroxide	50	60	R
Phosphoric acid	50	22	R	Sodium hydroxide	50	90	L
Lactic acid	85	60	R	Milk	-	22	R
Nitric acid	65	22	L	Methanol	100	22	R
Sulfuric acid	98	22	L	Methyl ethyl ketone	100	22	L
Hydrogen peroxide	30	22	R	Engine oil	-	22	R
Bleach	saturated	22	R	Paraffin	-	22	R
Turpentine	-	22	R	Crude oil	-	22	R
Isopropyl alcohol	100	22	R	Propylene glycol	100	22	R
Benzene	100	22	L	Kerosene	-	22	R
Butanol	100	22	R	Toluene	100	22	R
Beer	-	22	R	Xylene	100	22	R
Calcium chloride	50	22	R	*Rating: R - Resistant L - Limited resistance			

For more details regarding chemical resistance, consult WEG's technical department.

COMMITMENT TO HYGIENE AND DURABILITY

Our coverings are engineered to meet the highest hygiene standards. Independent studies have shown that they are effectively sanitizable, ensuring a safe environment for industries that must eliminate microbiological risks.

WE MEET THE MOST DEMANDING REQUIREMENTS

Our coatings are designed to meet the highest performance standards, offering solutions that combine resistance, aesthetics and efficiency. Fast installation minimizes operational downtime, with rapid release of the applied area, with quick release of the coated area.



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Subject to modifications without previous notice. The information contained is reference values.

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