RINOL*CRETE*

The ultimate polyurethane mortar floor





RINOL CRETE - hygienic, long-lasting and tough

Since their introduction some thirty years ago polyurethane mortars have become established as the basis of the flooring systems most suited to the exacting needs of the food processing, chemical, pharmaceutical and related industries. They have achieved this position by virtue of their outstanding combination of toughness, durability and chemical resistance. Building upon this history of success by using the very latest developmets in polyurethane chemistry and formulation technology, RINOL, the world's leading industrial flooring company, have developed RINOL CRETE the ultimate polyurethane mortar.



Three RINOL CRETE systems to meet your needs

RINOL CRETE heavy duty

The toughest floor for the toughest applications

RINOL **CRETE heavy duty** is a trowel applied slip resistant polyurethane mortar system applied at thicknesses of 6 – 9mm. It is designed for use in areas where floors may be wet and subjected to heavy mechanical, thermal or chemical stress.

Benefits

- · extremely tough and hard-wearing
- · highly impact resistant
- highly temperature and thermal shock resistant
- · non-tainting
- · will not support bacterial growth
- · easy to clean (can be steam cleaned)
- · non-dusting
- · resistant to almost all chemicals

Areas of use

- · heavy duty industrial areas
- · food industry wet process areas
- · meat and fish processing
- ready meals manufacture
- dairies
- breweries and wineries
- · soft drink production
- sugar refineries and confectionery production
- chemical and pharmaceutical production and storage

RINOL CRETE standard

Combines maximum hygiene with toughness

RINOL CRETE standard is a self smoothing polyurethane mortar system applied at thicknesses of 3 – 4 mm. It is designed for use in dry process, packing or storage areas subject to occasional spillage and medium to heavy duty traffic.

Benefits

- · tough and hard wearing
- · good impact resistance
- · thermal shock resistant
- · non-tainting
- · will not support bacterial growth
- · easy to clean smooth surface
- · non-dusting
- · resistant to almost all chemicals

Areas of use

- · medium to heavy duty industrial areas
- · food industry dry process areas
- · food and drink packing areas
- food and drink storage areas and warehouses
- · tobacco processing
- · printed circuit board production
- chemical and pharmaceutical production and storage

RINOLCRETE anti-slip

Combines maximum hygiene with toughness

RINOL CRETE anti-slip is an anti-slip polyurethane mortar system applied at thicknesses of 4-5mm. It is designed for use in wet processes, packing or storage areas subject to occasional spillage and medium to heavy duty traffic. With ANTI-SLIP the accident preventive measure are upgraded in a significant way as the slide risk will be much reduced.

Benefits

- · tough and hard wearing
- good impact resistance
- thermal shock resistant
- · non-tainting
- · will not support bacterial growth
- · easy to clean
- · non dusting
- · resistant to almost all chemicals

Areas of use

- · medium to heavy duty industrial areas
- · food industry dry and wet process areas
- · food and drink packing areas
- food and drink storage areas and warehouse
- · meat processing industries
- kitchens
- chemical and pharmaceutical production and storage

	Acetic acid 60 %	Citric acid 50 %	chloric acid	Hydrogen peroxide 35 %	Ethanol	Lactic acid 90 %	Nitric acid 50 %	Phosphoric acid 80 %	Sodium hydroxide 50 %	Sodium hypochlorite 15 %	Sulphuric acid 70 %	Toluene
RINOL CRETE heavy duty	8	B	B	B	B	8	B	B	8	B	B	8
RINOL CRETE standard	8	B	8	8	B	8	B	8	B	6	®	B
RINOLCRETE anti slip	B	B	B	B	8	B	B	B	B	B	B	B







RINOL*CRETE*Colours and data

RINOL CRETE is available in 5 standard colours. Other colours can be supplied to meet specific requirements. The colours shown are approximate because of printing limitations and can be affected by UV light – particularly paler colours.

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Standard colour range:

1 beige

green

mid-grey

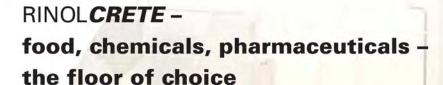
4 red

g yellow



Other colours may be made to most specific requirements.

	RINOLCRETE heavy duty	RINOLCRETE standard	RINOL CRETE Anti slip
Compressive strength DIN EN 196 / ASTM D 695	65 N/mm ²	58 N/mm ²	61 N/mm ²
Flexural strength DIN EN 196 / ASTM D 638	16 N/mm ²	18 N/mm ²	16,5 N/mm ²
Tensile strength ISO R527/ASTM D 638	7 N/mm ²	10 N/mm ²	9 N/mm ²
Dynamic elastic modulus DIN EN 13412/ASTM C 597-83	20.000 N/mm ²	14.500 N/mm ²	17.500 N/mm ²
Adhesive strength DIN ISO 4624/ASTM C 882	> 2,5 N/mm ² concrete failure	> 2,5 N/mm ² concrete failure	> 2,5 N/mm ² concrete failure
Abrasion resistance Taber H22 wheel, 1000g load, 1000 cycles DIN 53 754 / ASTM D4060	950 mg loss	1.210 mg loss	1.020 mg loss
Coefficient of thermal expansion DIN EN 1770/ASTM C 531	2,1 x 10 ⁻⁵ /°C	3,5 x 10 ⁻⁵ /°C	2,9 x 10 ⁻⁵ /°C
Thermal conductivity DIN 52612/BS 874	0,84 W/ m°C	0,91 W/m°C	0,88 W/ m°C
Water absorption CP.BM 2/67/2	0 ml	0 ml	0 ml





on them, laden steel wheeled trolleys moved over them, pallets scraped across them, corrosive chemicals spilt on them. They can be subjected to extreme cold or heat. Yet they must retain their structural integrity, slip resistance, cleanability and appearance for years.

This is what RINOL*CRETE* has been designed to do – designed by the world's leading industrial flooring contractor – RINOL.



DO YOU WANT MORE INFORMATIONS?

Should you want more detailed information about our complete answers to flooring problems, please give us a call or a fax or an e-mail.



Your contact partner in the RCR Group

IMPORTANT

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it and that the actual conditions of use are suitable.



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