

RINOL

RCR
Flooring Products



RINOL***FOOD***

Coating systems for the food industry



RINOL

SYSTEMS ARE:

seamless

antibacterial

variety of
colours

anti-slip

easy to clean &
hygienic

mechanically
robust

thermally
durable

non-porous

low emission

liquid
proof

easy to
repair

visually
attractive

chemical
resistant



For over 60 years, RINOL industrial floors have enjoyed a worldwide reputation for reliability, precision, quality and economy!

Our research and development department works permanently and consistently on new and further developments of products and systems. RINOL's goal is to support our customers and partners with innovative products and system solutions based on epoxy, polyurethane, vinyl ester or polyester resins.

Each system typically comprises two or three layers applied in sequence to the concrete surface - a primer, a filler and finally the coloured coating. This process ensures a high quality, durable and attractive finish.

All components and ingredients for our coating systems are tested and produced by ourselves. This guarantees the highest quality, fastest availability and optimal properties of our products. Our RINOL cast resin systems are tested for your safety by renowned, independent experts and accredited institutes, such as the German Institute for Construction Technology.

In addition to industrial floors, RINOL systems are also suitable for showrooms, exhibition spaces, schools, public buildings and homes. In addition, the company can create special systems to suit a customer's exact application - all certified to ISO9001. Furthermore, RINOL has a multitude of test certificates of all kinds to meet the high requirements towards synthetic resin coatings. The products or systems are manufactured according to the specifications of DIN EN 1504:2.

Choosing a RINOL coating offers important advantages for owners and users of a building, such as chemical resistance, abrasion resistance and an attractive and seamless surface.

RINOL also offers a wide range of RAL and NCS colours. With no minimum order quantity, designers can enjoy the freedom to work creatively in smaller spaces.

For more information, visit www.rinol.de.





FOOD INDUSTRY

Ensuring the highest standards of hygiene is the guarantee that RINOL flooring offers through resin cycles suitable for any type of food industry.

The sector we call 'food' encompasses a wide range of enterprises, from slaughterhouses and dairies to ready-made meal producers, breweries to canteens, confectionery factories to water bottling plants.

As diverse as the food production industry is, as extensive are the requirements that RINOL coating systems must fulfil in this sector. First of all, full suitability in terms of food safety and, consequently, ease of cleaning is required and guaranteed. Floors in the food industry must then endure many, many years of high exposure to heavily loaded machinery and transport systems. Our systems are also resistant to the aggressive substances present in industry processes, such as lactic acid or tartaric acid.

RINOL coating systems for the food industry can be designed as homogenous, continuous and liquid-tight tank elements.

The slip resistance on floors, even when wet, ensures a high degree of occupational safety. This makes it possible to comply with the requirements of the food industry's trade associations.

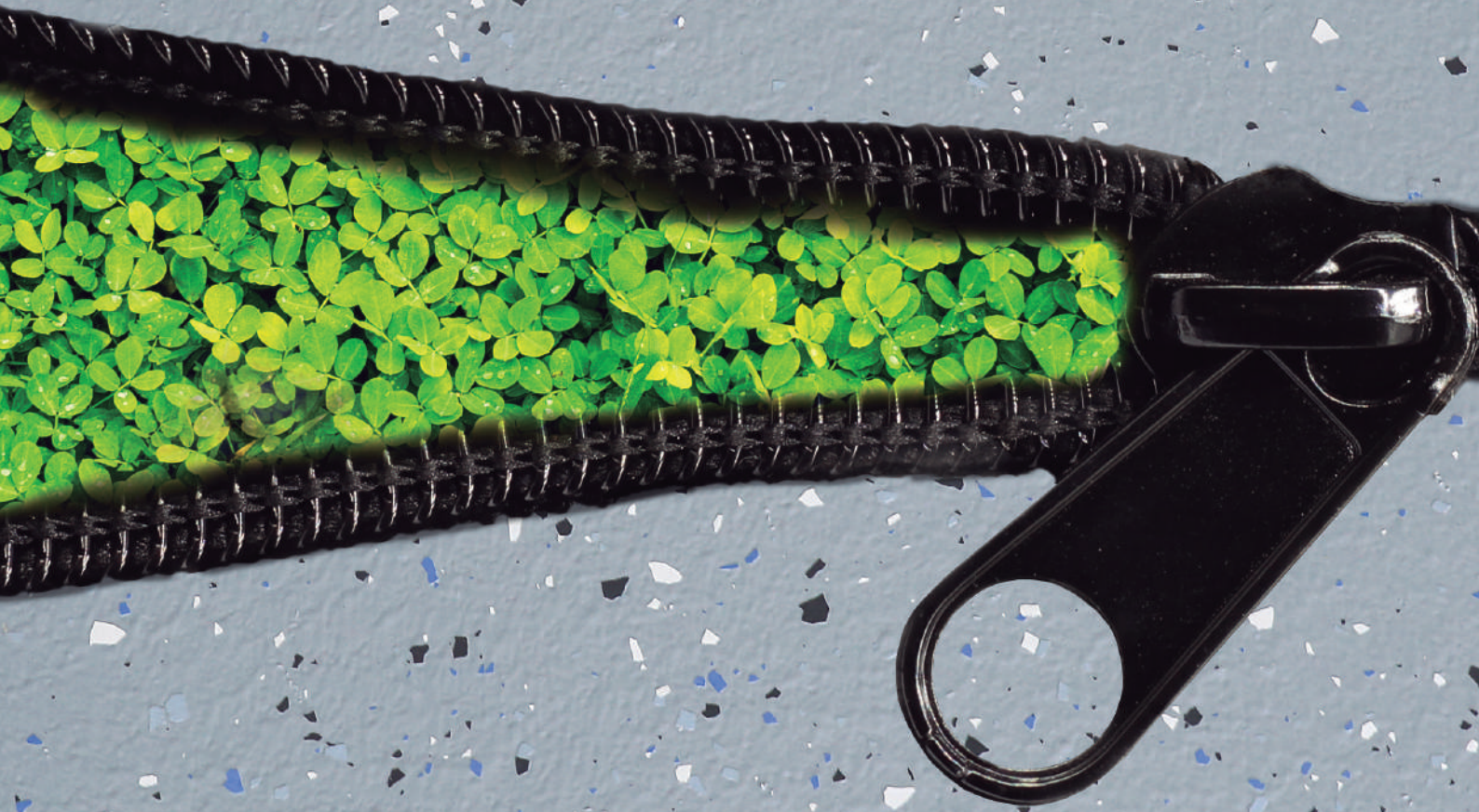
Properties

- Resilient and hard-wearing
- High strength and resilience
- High impact resistance
- High chemical resistance to acids, alkalis, salts and organic solvents
- Resistant to temperature changes from -40°C to +130°C
- Smooth or non-slip surface possible
- Hygienic and liquid-tight

Areas of application

- Food production (wet + dry)
- Milk processing
- Cheese processing
- Meat processing industry
- Beverages
- Food packaging
- Kitchens







GOING GREEN

Sustainable building has become more and more important worldwide in recent years. Today, a wide variety of country-specific requirements and certifications are needed. However, all countries and certification systems have one thing in common - they want to create more ecological sustainability in the construction industry.

Our research and development department works permanently and consistently on new and further product developments. RINOL's aspired goal is to offer our customers and partners innovative and sustainable products and system solutions that differ from other products in terms of durability, efficiency, ecology and aesthetics and generate added value.

The health and well-being of people working in indoor areas in a wide range of industries are not only determined by climatic conditions and impurities in the air. Sustainable and environmentally compatible products that are low in emissions not only support the environment, but also ensure a healthy indoor climate.

The fact that RINOL products and systems fulfil many criteria and are environmentally compatible is shown by the tests according to AGBB, Eurofins, ISEGA and LEED.

RINOLCRETE Standard



RINOLCRETE *Standard* is a self-levelling polyurethane mortar system. This system has been specially designed for use in dry production, packaging and storage areas where liquids are occasionally spilled and medium to heavy mechanical exposures occur. Layer thickness approx. 3 mm - 6 mm.



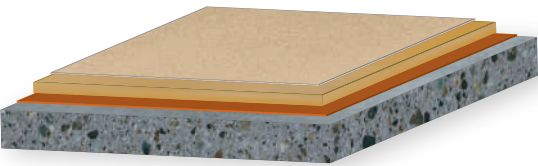
-  RINOLCRETE PU-C560 Self-levelling coating
-  RINOLCRETE PU-P250 Primer



RINOLCRETE Anti-Slip



RINOLCRETE *Anti-Slip* is a slip-resistant polyurethane mortar system. This system is designed for use in wet production, packaging and storage areas with medium to heavy mechanical exposure. Anti-slip significantly improves accident prevention measures by greatly reducing the risk of slipping. Layer thickness approx. 3 mm- 9 mm



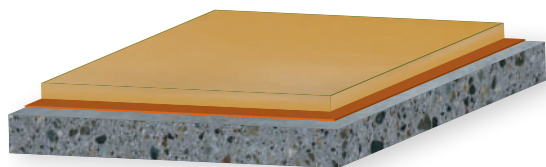
-  RINOLCRETE PU-C565 Finish
-  RINOLCRETE PU-C560 Self-levelling coating
-  RINOLCRETE PU-P250 Primer



RINOLCRETE Heavy-Duty



RINOLCRETE **Heavy-Duty** is a slip-resistant polyurethane mortar system. This system has been specially designed for use in areas where floors get wet and are simultaneously exposed to high mechanical, thermal or chemical loads.
Layer thickness approx. 6 mm - 12 mm.



- RINOLCRETE PU-C550 Mortar coating
- RINOLCRETE PU-P250 Primer



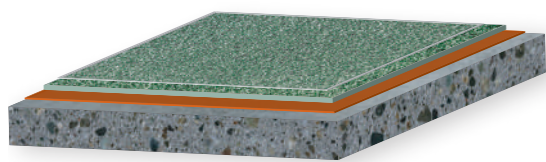
	RINOLCRETE ANTI-SLIP	RINOLCRETE STANDARD	RINOLCRETE HEAVY-DUTY
Applications / Properties			
Temperature operating range	-40°C +120°C	-25°C +90°C	-40°C +130 °C
Slip resistance class R9		●	
Slip resistance class R10		●	
Slip resistance class R11	●		●
Slip resistance class R12	●		●
Slip resistance class R13	●		●
Extract of chemical resistance			
Acetic acid 60%	●	●	●
Citric acid 50%	●	●	●
Hydrochloric acid 37%	●	●	●
Hydrogen peroxide 35%	●	●	●
Ethanol	●	●	●
Lactic acid 90%	●	●	●
Nitric acid 50%	●	●	●
Phosphoric acid 80%	●	●	●
Sodium hydroxide 50%	●	●	●
Sodium hypochlorite 15%	●	●	●
Sulphuric acid 70%	●	●	●
Toluene	●	●	●
Toluol	●	●	●



RINOL^{QCR}



RINOL^{QCR} is a multi-layer colour quartz system based on epoxy resins. In addition to various slip resistance classes, the system offers excellent chemical resistance and high durability thanks to very good impact, abrasion and scratch resistance.
 Layer thickness approx. 3 mm - 4 mm.



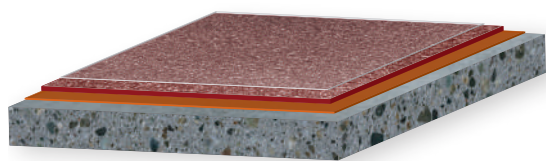
- | | | |
|---|---------------------------|------------------------------|
| | RINOL ^{PU-TS686} | Sealing (option) |
|  | RINOL ^{EP-QC714} | Transparent top layer |
|  | RINOL ^{EP-QC212} | Base coat with colour quartz |
|  | RINOL ^{EP-QC209} | Primer |



RINOL^{GFR}



RINOL^{GFR} is a multi-layer quartz system based on epoxy resins. In addition to the jointless and slip-resistant surface, this system is characterised by excellent chemical resistance and high mechanical resistance.
 Layer thickness approx. 3 mm - 4 mm.

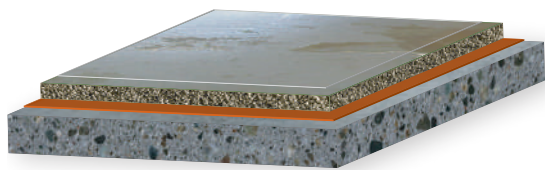


- | | | |
|---|---------------------------|--------------------------------------|
| | RINOL ^{PU-TS686} | Sealing (option) |
|  | RINOL ^{EP-QC714} | Transparent top layer |
|  | RINOL ^{EP-QC213} | Base coat with RINOL ^{QS20} |
|  | RINOL ^{EP-QC209} | Primer |



RINOL**SOLID** is a robust and attractive epoxy resin mortar system for floors subject to medium to heavy traffic. The surface is jointless, hygienic and liquid-proof and combines good slip resistance with easy maintenance.

Layer thickness approx. 8 mm - 10 mm.



RINOL**PU-TS686**

Sealing (Optional)

 RINOLEP-T710

Transparent top layer

 RINOLEP-T700

Synthetic resin mortar with QC

 RINOLEP-QC209

Primer



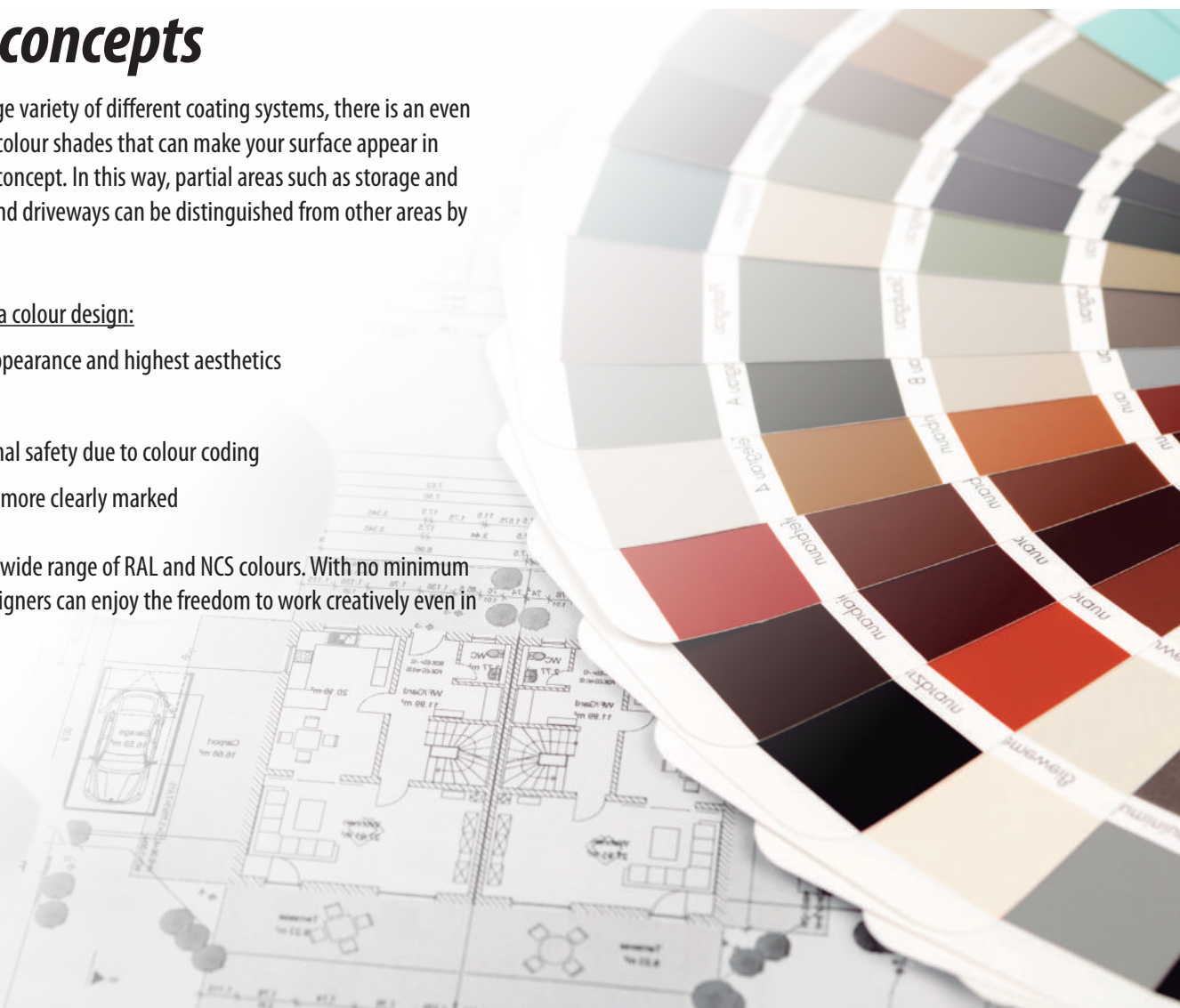
Colour concepts

In addition to a large variety of different coating systems, there is an even larger selection of colour shades that can make your surface appear in the desired colour concept. In this way, partial areas such as storage and production areas and driveways can be distinguished from other areas by colour.

The advantages of a colour design:

- Representative appearance and highest aesthetics
- Individual design
- Higher occupational safety due to colour coding
- Escape routes are more clearly marked

RINOL also offers a wide range of RAL and NCS colours. With no minimum order quantity, designers can enjoy the freedom to work creatively even in smaller spaces.



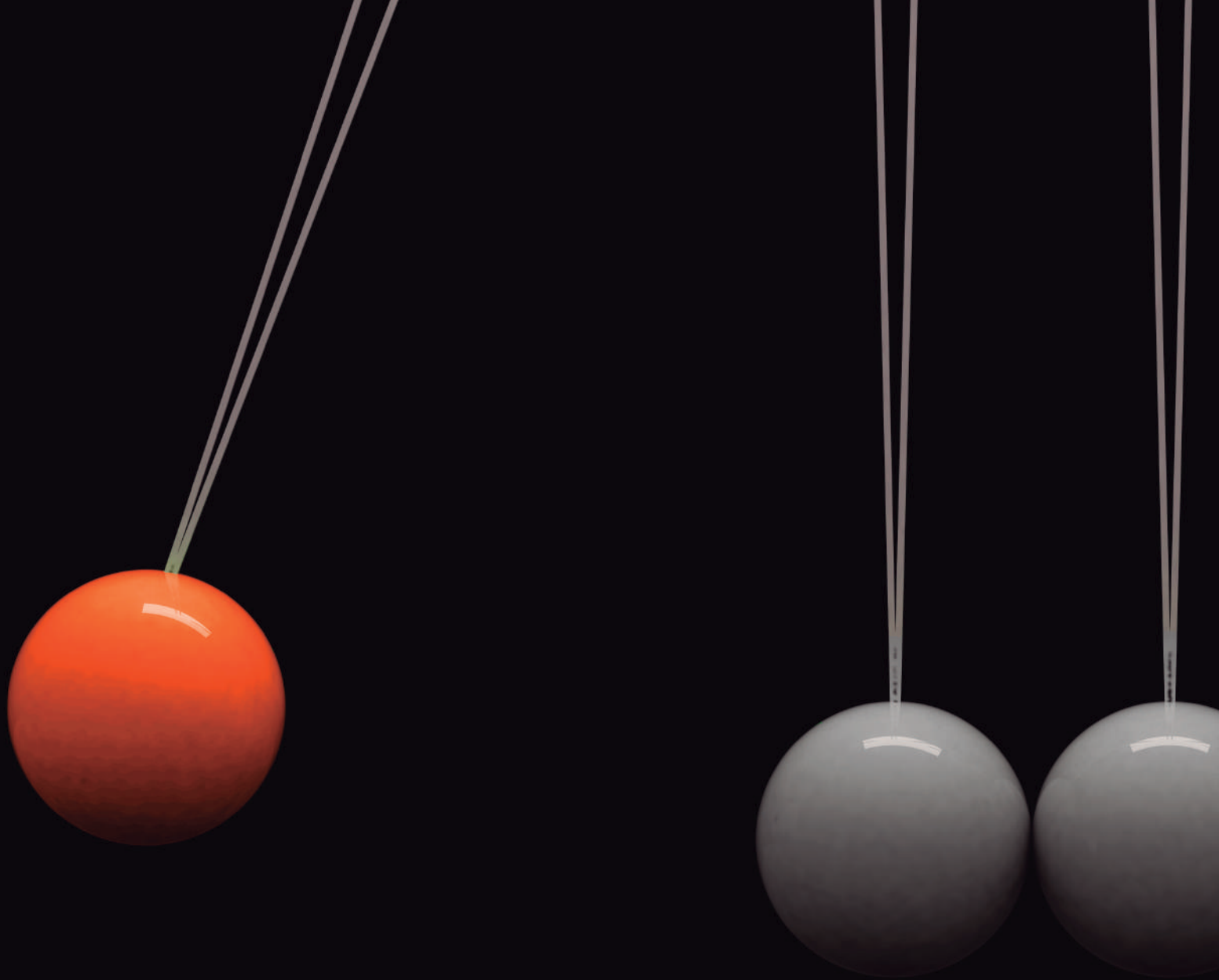




Processmax

essmax





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