

MC-PowerPro HCR

Duroelastic coating system for highly chemically loaded surfaces in agriculture, sewage- and waste management.

- PRODUCT PROPERTIES:**
- Two-component, pigmented polymer-combination with integrated DPM-technology.
 - Nonylphenol-free, flexible binder.
 - Very good resistance against organic acids, saline solutions and bases.
 - Resistant to biogenic sulphuric acid corrosion.
 - Resistant to silage seepage.
 - Excellent abrasion resistance.
 - Accessible by pneumatic-tired vehicles.
 - Application by roller and trowel.
 - Certified in according to EN 1504 part 2.

- AREAS OF APPLICATION:**
- Suitable on all cement-based substrates (concrete, reinforced concrete, mortar) and steel.
 - Suitable for the headspace of capped areas in sewage plants and digestion towers.
 - Suitable for cesspits, manure tanks, biogas tanks, clamp silos, manure cellars and manure drains, composting plants.
 - Not suitable for coating of feed tables.
 - REACh-assessed exposure scenarios: periodical water-contact, periodical inhalation, application.
 - Principle 1, 2, 5, 6 and 8; procedure 1.3, 2.2, 5.1, 6.1 and 8.1.

- APPLICATION NOTES:**
- **Substrate Preparation/System:** Please see leaflet "General Application Advice for **MC-PowerPro HCR**" for substrate preparation, substrate conditions and system build-up.
 - **Priming:** Depending on the system to be applied, **MC-PowerPro HCR primer** or Colusal SP are used as primer. Please see leaflet "General Application Advice for **MC-PowerPro HCR**".
 - **Mixing:** **MC-PowerPro HCR** consists of a base and a hardener component, supplied in pre-packed quantities. Prior to application both components are mixed thoroughly until homogeneous using slowly rotating agitators. Following mixing **MC-PowerPro HCR** is filled into a clean container and stirred again.
 - **Application:**
 - Following mixing **MC-PowerPro HCR** is applied crosswise in one, two or three work steps onto the primed substrate using a short-piled roller. Application is carried out continuously and streak-free. The waiting times between the work steps must be observed.
 - Application must be stopped in case of rain, high humidity, frost or risk of frost. Freshly applied layers must be protected for 24 hours against water, direct sun and condensate formation.
 - Coverage, application times, resistance to foot traffic and time until full resistance are determined by temperature and site properties and condition.
 - **General Information:** Exposure to chemicals and UV-light may cause colour changes, which usually do not affect the properties and usability of the coating.

TECHNICAL DATA:

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w.	10 : 3	Component A : Component B
Density (mixed)	g/cm ³	approx. 1.24	At 23°C and 50% relative humidity
Viscosity (mixed)	mPa·s	approx. 12,000	At 23°C and 50% relative humidity
Coverage standard system** (repair)	g/m ²	400 - 500	1 st work step (roller)
		400 - 500	2 nd work step (roller)
Coverage option 1** (new construction)	g/m ²	250 - 350	1 st work step (trowel)***
		400 - 500	2 nd work step (roller)
		400 - 500	3 rd work step (roller)
Coverage option 2 (steel)	g/m ²	approx. 300	1 st work step (roller)
		approx. 300	2 nd work step (roller)
Application time	minutes	60	At 10°C
		45	At 20°C
		30	At 30°C
Waiting time until next work step	hours	2 - 4	Priming / 1 st work step
		12 - 24	1 st work step / 2 nd work step
		12 - 24	2 nd work step / 3 rd work step
Resistant to foot traffic after	hours	24	
Time until full resistance	days	7	
	°C	≥ 8 - ≤30	Air-/material-/substrate temperature
Application conditions	%	≤ 85	Relative humidity
	K	3	Above dew point

Safety advice:

* All technical values relate to 23 °C and 50 % relative humidity.

** Coverage rates depend on roughness, absorbency and type of substrate. To determine the project-specific coverage we recommend to lay a sample area.

*** MC-PowerPro HCR + 3 % MC-Stellmittel TX 19.

PRODUCT CHARACTERISTICS:

Cleaning agent	MC-Verdünnung EP
Standard colours	RAL 1001, 1013, 1014, 7030, 7032, 6013, 7016
Delivery	10 kg packs
Storage	Can be stored in cool (below 20 °C) and dry conditions for at least one year in original unopened packs. Protect from frost!
Disposal	Packs must be emptied completely.
EU-regulation 2004/42 (Decopaint-standard)	RL2004/42/EG AII/j (500 g/l) max 500 g/l VOC.

Note: The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

Edition 01/2024. Some technical changes have been made to this print medium. Older editions are invalid and may not be used.