



Concrete coatings and admixtures

April 2016



Concrete application fields

Concrete primer

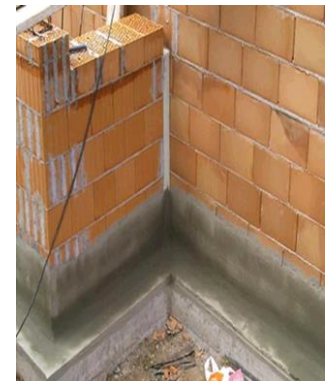
Concrete sealers

Pigmented concrete surface coatings

Protection of mineral substrates

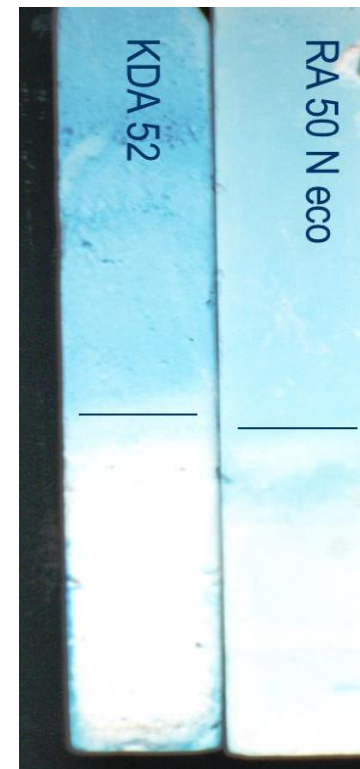
Curing and protection of concrete

Concrete admixtures



Ecronova™ RA 50 N eco

Features	
Pure Acrylate	
Solids content	36%
MFFT	0 °C
pH	8.0
Average particle size μm	0.05
anionic	



Application and benefits

Primer for low VOC systems, extremely fine dispersed emulsion

Silanised pure acrylate

High penetration, stabilization of surface

Enhanced alkali and water resistance

Better intercoat adhesion

Easy to use, dilute to 10% -20%

Ecrothan® 440

Features

PU-modified acrylate dispersion

Solids content	39 %
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MFFT	15 °C
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pH	8.0
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Application

especially for pigmented concrete sealers and coatings

with excellent wear properties

Floor coating grey based on Ecrothan® 440

F 6257-11		
Water		4.00
Propylene glycol		1.00
Dowanol DPnB		1.50
Edaplan 480		0.70
Tegofoamex 810		0.30
Tioxide R-HD 2		11.00
Sikron SF500		5.50
Plastorit 000		4.50
Luzenac 10 MO		2.00
Water		2.00
Ecrothan® 440		55.00
Michem® Guard 1350A		3.00
Dowanol DPnB		2.00
Byk 346		0.50
Byk 381		0.50
Euronox Black 318 LF2		3.50
Euronyl Orange 43 LF2		0.20
Rheolate 278		0.50
Tafigel PUR 60		0.20
Byk 019		0.30
Water		1.80
		100.0

Ecrothan® 2012

Features	
Hybrid acrylate polyurethane	
Solids content	35%
MFT	30 °C
pH	8.0
Elongation	200%
1K/2K	

Application
For clear and pigmented concrete coatings
Fast drying coatings
Fast hardness development

Floor coating grey based on Ecrothan® 2012

F 5855-2		
Water		3.90
Propylene glycol		1.00
Dowanol DPnB		1.45
Edaplan 480		0.70
Tegofoamex 810		0.30
Tioxide R-HD 2		10.00
Sikron SF500		5.30
Plastorit 000		4.30
Luzenac 10 MO		2.00
Water		2.00
Ecrothan® 2012		56.00
Michem® Guard 1350A		3.00
Dowanol DPnB		2.00
Byk 346		0.50
Byk 381		0.50
Euronox Black 318 LF2		3.40
Euronyl Orange 43 LF2		0.20
Rheolate 278		0.50
Tafigel PUR 60		0.20
Byk 019		0.30
Water		2.45
		100.0

Ecrothan® 4075

Features	
Polyester based polurethane dispersion	
Solids content	40%
MFT	0 °C
pH	8.0
1K/2K	
Elongation	350%

Application
for clear and pigmented concrete sealers
interior and exterior use
can be mixed with acrylic emulsions
high abrasion resistance

Clear sealer for floor, semi- gloss based on Ecrothan® 4075

5882-45		
Ecrothan® 4075		80.00
Butyl glycol		3.00
Ethyl diglycol		4.00
Water		3.00
Silco AF 892		0.20
Rheolate 278		0.40
Tafigel Pur 60		0.13
Butylglycol		0.13
Decosoft transp. 7D		3.00
Michem® Emulsion 91240G		3.00
Tego Wet 270		0.30
Tego Foamex 805		0.20
Water		2.64
		100.0

Protection of mineral substrates

Michem[®] Emulsion 47950

Michem[®] Lube 270R

Licomer[®] WM 015

Michem[®] Emulsion 47950

Features	
paraffin emulsion	
solids content	50%
pH	4.0 -10.0
recommended pH of system	1.0-12.0
nonionic	

Application
protection of mineral substances
sacraficial anti-graffity
water beading
water resistance

Michem[®] Lube 270R

Features	
paraffin/polyethylene wax emulsion	
solids content	39.0%
pH	9.5
recommended pH of system	>7.0
anionic	

Application	
protection of mineral substances	
sacraficial anti-graffity	
water repellence, water beading	
water resistance	

Licomer[®] WM 015

Features	
Montan wax emulsion	
solids content	15.0%
pH	9.0
nonionic	

Application
protection of mineral substances
sacraficial anti-graffity

Curing and protection of concrete

Michem[®] Emulsion 70750

Michem[®] Emulsion 70350A

Michem® Emulsion 70750

Features	
Scale wax emulsion	
solids content	50.0%
pH	9.5 – 10.5
recommended pH of the system	> 7.0
anionic	

Application
curing and protection of concrete
curing and moisture control
release
water beading
water resistance

Michem® Emulsion 70350A

Features	
paraffin emulsion	
solids content	50.0%
pH	5.0 – 8.0
recommended pH of the system	< 7.0
cationic	

Application and benefits

curing and protection of concrete

curing and moisture control

water repellency

easy handling: only dilution to 12-15% solids and spraying on wet concrete

quicker film building unlike anionic products

better setting of concrete and water repellency

Concrete Admixtures

Ecronova™ LIQ 8030

Ecronova™ DA194

Ecronova™ LIQ 8030

Features	
Pure Acrylate	
Solids content	53%
MFFT	14.0 °C
pH	5.5
Self crosslinking at high pH	
cationic	

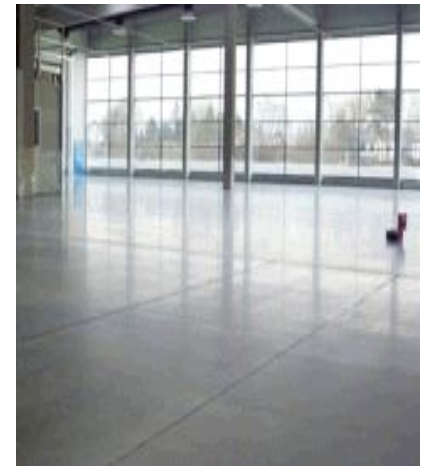


Application
Repair mortars and grouts
Filler systems
Self-levelling industrial floorings
Sealing joints

Ecronova™ LIQ 8030

Added to cement and mortar:

- accelerated strength development
- increased tensile and compressive strength
- improved abrasion resistance
- reduced water absorption
- improved chemical resistance
 - water, hydrochloric acid
 - sulphuric acid, lactic acid
 - sodium hydroxide and diesel



Ecronova™ LIQ 8030

F-5645-1	Self-levelling floor coating
Ecronova™ LIQ 8030	8.8
Water	3.5
Agitan E256	0.1
Milke Classic CEM I42.5R	35.0
Normensand EN 196-1	52.5
Melflux 2651F	0.1
	100

Ecronova™ DA194

Features	
Pure Acrylate	
Solids content	57%
MFFT	0 °C
pH	8.0
anionic	



Application

flexible, hydraulic lime mortar
flexible cement containing insulating coatings
flexible roof coatings
crack bridging systems
flexible coatings

Ecronova™ DA 194

formation of flexible polymer matrix

prevents entering into the substrate

prevents carbonisation of concrete

silicate compatible

solvent and plasticizer free

freeze and defrost stability

free of ammonia and amine

APEO free

Ecronova™ DA 194

F-5244-1	Sealing slurry (cement-based)
Sand 0-0.4 mm	37.5
Quarz powder IW 6	6.25
White cement CEM 52.5	18.75
Ecronova™ DA 194	37.5
	100.0

MICHELMAN[®]

Thank you

