



Inovasi **Lokal**,
Solusi **Global**.



ULTRACHEM SOLUTIONS

FOR REPAIR, PROTECTION, AND GROUT

CONCRETE RESTORATION

PATCHING

Ultrachem® Crete RM

High performance, Silica modified repair mortar

Ultrachem® Crete RM 102

High performance repair mortar

Ultrachem® Crete RM 105

High performance repair mortar

Ultrachem® Crete PM

Overhead, non-shrink patching mortar

Ultrachem® Crete FM

Polymer modified, patching mortar

Ultrachem® Crete CFT

Fiber reinforced repair mortar

Ultrachem® Crete EM

Low viscosity & high strength epoxy injection

Ultrachem® Crete EM UW

Epoxy grout underwater

Ultrachem® Ultrafix EP

Thixotropic epoxy patching mortar (3 components)

Products	Based	Mix Density (gr/ml)	Application Thickness (mm)	Flexural Strength (MPa)	COMP. STRENGTH (MPa)			
					1 day	3 days	7 days	28 days
Ultrachem® Crete FM	Liquid Polymer	1.8 - 1.9	1-5	-	-	-	~30	~42
Ultrachem® Crete PM	Powder Polymer	2.0(±0.1)	5-20	~10	-	~20	~30	~35
Ultrachem® Crete CFT	Powder Polymer	2.0(±0.1)	6-30	~30	~20	-	~35	~55
Ultrachem® Crete RM 102	Liquid Polymer	2.0(±0.1)	2-5	-	-	-	~28	~40
Ultrachem® Crete RM 105	Liquid Polymer	2.0(±0.1)	5-20	-	-	-	~35	~45
Ultrachem® Crete RM	Powder Polymer	2.0(±0.1)	30-50	~9	-	~30	~38	~38
Ultrachem® Crete EM	Epoxy	~2.20	10-120	~1.27	-	-	-	~65
Ultrachem® Crete EM UW	Epoxy	~2.20	>5	1.10	-	-	-	~65
Ultrachem® Ultrafix EP	Epoxy	~1.7	up to 15	30 - 40	-	-	-	55-65



GROUTING

Ultrachem® Grout CB

Non-shrink cementitious grout

Ultrachem® Grout CB 70

High performance, Non-shrink cementitious grout

Ultrachem® Grout CB Extra

Dual expansion, Non-shrink cementitious grout

Ultrachem® Grout CB 85

High performance, Non-shrink cementitious grout

Ultrachem® Grout CB Premix

Non-shrink cementitious grout with aggregate

Ultrachem® Grout FS

Fast setting cementitious grout

Ultrachem® Grout FS Premix

Fast setting cementitious grout with aggregate

Ultrachem® Grout UW

Under water cementitious grout

Ultrachem® Crete ES 211

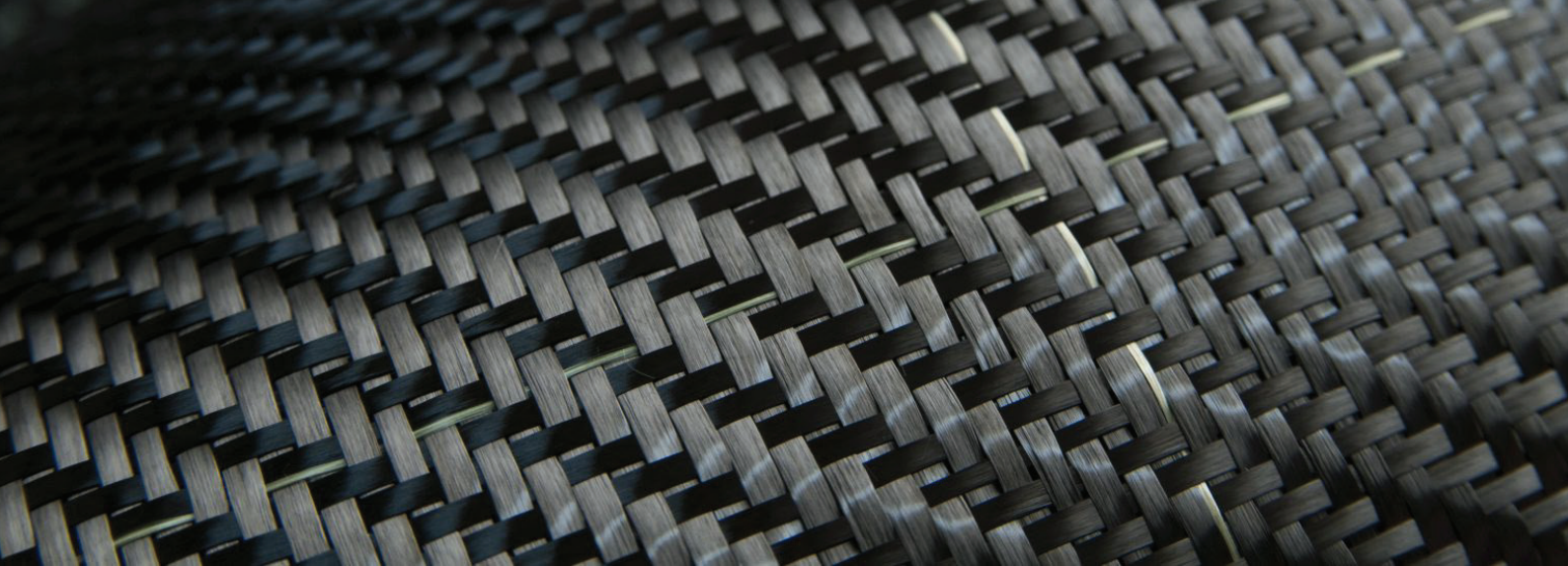
High performance epoxy mortar

Ultrachem® High Grout EP

High performance flowable epoxy grout

Products	Based	Mix Density (gr/ml)	Application Thickness (mm)	COMP. STRENGTH (MPa)			
				1 day	3 days	7 days	28 days
Ultrachem® Grout CB	Cement	2.0 (±1.0)	10 - 100	~26	~36	~46	~60
Ultrachem® Grout CB 70	Cement	2.0 (±1.0)	10 - 100	~30	-	~58	~70
Ultrachem® Grout CB Extra	Cement	2.0 (±1.0)	10 - 100	-	-	~60	~70
Ultrachem® Grout CB 85	Cement	2.0 (±1.0)	10 - 100	~45	-	~70	~85
Ultrachem® Grout CB Premix	Cement	2.0 (±1.0)	30 - 120	~28	-	~50	~65
Ultrachem® Grout FS	Cement	2.0 (±1.0)	10 - 120	~30	~45	~55	~60
Ultrachem® Grout FS Premix	Cement	2.0 (±1.0)	30 - 120	~30	~45	~58	~65
Ultrachem® Grout UW	Cement	1.9 (±1.0)	>5	~25	-	~48	~65

Products	Based	Mix Density (gr/ml)	Flexural Strength (N/mm2)	Tensile Strength (N/mm2)	COMP. STRENGTH (MPa)		
					1 day	7 days	28 days
Ultrachem® Crete ES 211	Epoxy	~1.85	~45	~20	~60	~70	~80
Ultrachem® High Grout EP	Epoxy	~1.98	~26	~14	-	~98	~112

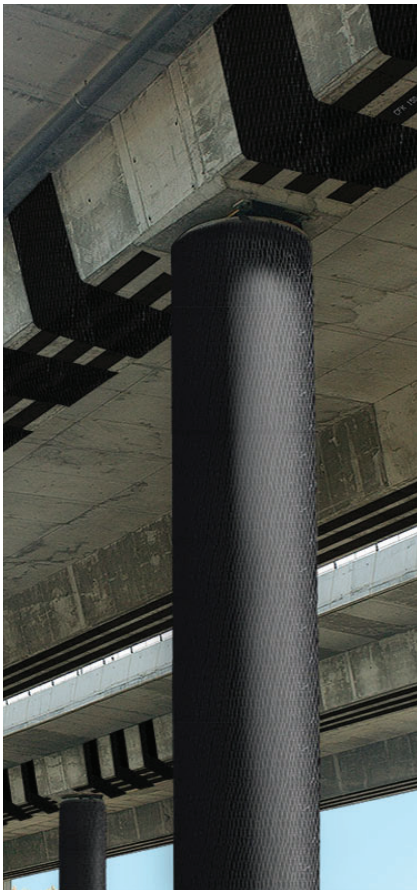


STRUCTURAL STRENGTHENING

Products	Tensile Strength (MPa)	E-Modulus (MPa)	Strain at Failure (%)	Thickness (mm)	Dimension (mm)
Ultrachem® Ultrawrap CFW – Fabric					
CFW 30	4,900	>240,000	1.6	0.167	500
CFW 60	4,900	>240,000	1.69	0.333	500
Ultrachem® Ultrawrap CFS-FX					
CFS-FX	4,000	240,000	>1.6	-	5, 6, 10, 15, 22
Ultrachem® Ultrawrap CFP – Plate					
CFP 12	2,743	170,000	1.5	1.2	50, 80, 100, 120
CFP 14	3,044	158,000	1.77	1.4	50, 80, 100, 120



Products	Tensile Strength (MPa)	Flexural Strength (MPa)	Bond Strength on Concrete (MPa)	Compressive Strength (MPa)
Epoxy Adhesive for Ultrawrap CFW & CFS-FX				
Ultrawrap EP	-	>40	>2.5	>60
Ultrawrap ER Mv	50	70	>3.6	90
Ultrawrap EP Lv	55	75	>3.6	90
Epoxy Adhesive for Ultraplate CFP				
Ultrawrap EA	>30	-	>3.5	>65



INJECTION



CRACK REPAIR

Ultrachem® Grout IC

Cementitious grout injection

Ultrachem® Grout EI 101

Low viscosity epoxy injection

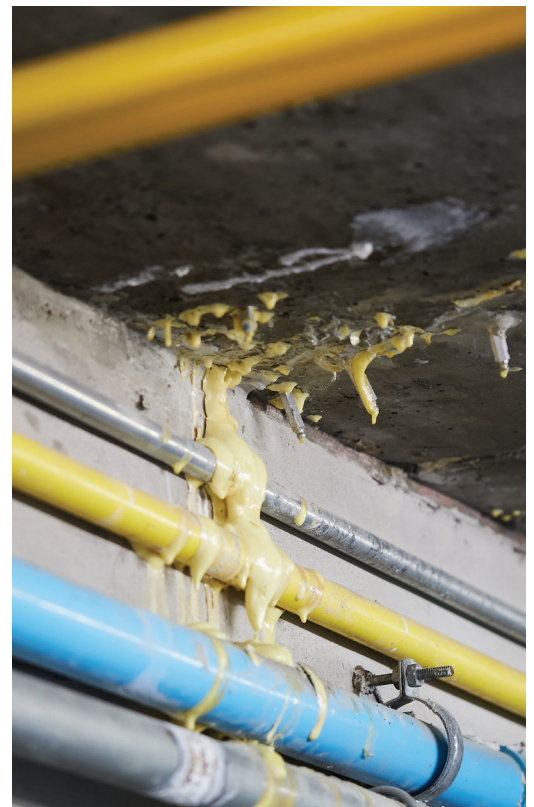
Ultrachem® Grout EI 101 HS

Low viscosity & high strength epoxy injection

Ultrachem® Grout EI 301

Epoxy Injection for damp substrate

Products	Based	Mix Density (gr/ml)	Tensile Strength (N/mm²)	COMP. STRENGTH (MPa)			
				1 day	3 days	7 days	28 days
Ultrachem® Grout IC	Cement	1.8 ± 0.05	-	~10	~20	-	~45
Ultrachem® Grout EI 101	Epoxy	~1.08	~25	~45	-	~70	-
Ultrachem® Grout EI 101 HS	Epoxy	~1.05	~28	~55	~70	~90	~108
Ultrachem® Grout EI 301	Epoxy	1.05 - 1.15	~28	-	-	~70	-



LEAKAGE REPAIR

Ultrachem® PU Injeksi

Polyurethane foam injection

Ultrachem® Ultrafill PUS

Polyurea silicate foam injection

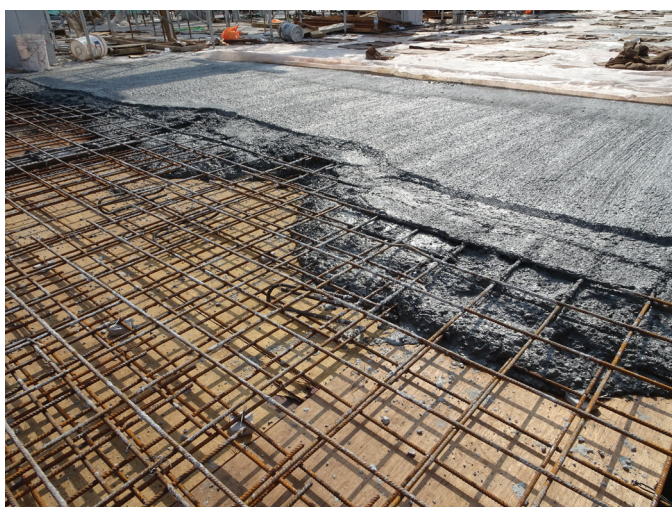
Ultrachem® PUI 2C

Polyurethane foam injection (2 components)

Products	Based	Mix Density (gr/ml)	Max Expansion
Ultrachem® PU Injeksi	PU	1.10 - 1.20	~3000%
Ultrachem® PUI 2C	PU	1.10	up to 16x
Ultrachem® Ultrafill PUS	Polyurea	~1.27	20-30x

FINISHING MATERIAL

PRODUCTS	DESCRIPTION
UM 101	Light Brick Adhesive
UM 201	Plaster & Red Brick Adhesive
UM 301	Skimcoat for Concrete
UM 302	Skimcoat for Plaster
UM 290	Finish Plaster



BONDING AGENTS

PRODUCTS	DESCRIPTION
Ultrabond PVA	Polyvinyl Acetate Bonding Agents
Ultrabond SBR	Styrene Butedine Rubber Bonding Agents
Ultrabond EP	Epoxy Bonding Agents

PROTECTIVE COATING

CORROSION REMEDIATION

PRODUCTS	DESCRIPTION
Ultracoat RC	Rust Converter Coating
Ultracoat AC	Anti Carbonation Coating

WATER REPELLENT COATING

PRODUCTS	DESCRIPTION
WRWB	Water Based Water Repellent Coating
WRSB	Solvent Based Water Repellent Coating

STONE COATING

PRODUCTS	DESCRIPTION
Durastone N	Rust Converter Coating
Durastone G	Anti Carbonation Coating





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GET IN TOUCH

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