

PRODUCT RANGE

Current data sheets and additional information
may be found on our website



PAGEL[®]
Spezial-Beton

For more than four decades, **PAGEL[®] Spezial Beton GmbH & Co. KG**, Essen, has been leading in the development of grouting and other speciality mortars. The **PAGEL[®] Grouting systems** together with the well-known brand **V1[®]** and **PAGEL[®] Concrete repair systems** have become an internationally renowned concept of quality.

Our company develops, produces and distributes **speciality and grouting mortar systems** for high-precision machines, wind turbines, anchoring and injection works, repair systems for concrete, drinking water containers, channel and waste water areas as well as industrial floors.

With this broad range of products, the constant quality and great reliability of our products as well as the solution-oriented expert advice, our company has gained an outstanding reputation worldwide.

The satisfaction of our customers will also remain the core aim of our activities in the future. Our company was certified according to **EN ISO 9001** already in 1995.

Any and all products correspond to the specifications and requirements for the CE labelling whereas the in-house production control is additionally certified according to **DIN EN 1504-2, DIN EN 1504-3, DIN EN 1504-6 and DIN EN 1504-7**.

PAGEL[®] products are distributed by branches and contractual partners in more than 50 countries worldwide.

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STANDARD GROUT



Properties

- › High flowability
- › Controlled swelling
- › High early and final strengths
- › High frost-deicing salt resistance
- › Largely resistant to oils
- › Pumpable
- › Ready to use
- › Externally monitored
- › Impermeable to water

Areas of application

- › Machines
- › Anchorings
- › Turbines
- › Bridge bearings
- › Drinking water treatment plants
- › Concrete constructions
- › High rack storage
- › Prefabricated parts
- › Bars
- › Industrial plants

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			V1®/10	0 - 1	5 - 30	≥ 40	≥ 60	≥ 80	
V1®/50	0 - 5	20 - 120	≥ 40	≥ 60	≥ 75	≥ 4	≥ 6	≥ 8	2.000
V1®/160	0 - 16	100 - 400	≥ 40	≥ 60	≥ 75	≥ 4	≥ 6	≥ 8	2.100

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class	
V1®/10	Categorisation	f2	-	SKVM II	A	C55/67
V1®/50	Categorisation	-	a3	SKVB I	A	C60/75
V1®/160	Categorisation	-	a2	SKVB I	A	C60/75

CONCRETE GROUT

Properties

- › High flowability
- › Controlled swelling
- › High frost and frost-deicing salt resistance
- › Largely resistant to oils
- › Low modulus of elasticity
- › Pumpable
- › Ready to use
- › Externally monitored

Areas of application

- › Columns and machines
- › Hydraulic structures, lock constructions and weirs
- › Construction of hydraulic steelworks
- › Noise barriers
- › Building underpinnings
- › Repair

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			V80C45	0 - 8	60 - 200	≥ 15	≥ 40	≥ 60	
V160C45	0 - 16	80 - 400	≥ 15	≥ 40	≥ 60	≥ 1,5	≥ 3,5	≥ 5,0	2.000

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class	
V80C45	Categorisation	-	a2	SKVB 0	C	C50/60
V160C45	Categorisation	-	a2	SKVB 0	C	C50/60

STANDARD GROUT

PACKING MORTAR

Properties

- › Plastic consistency
- › Controlled swelling
- › High early and final strengths

Areas of application

- › Columns
- › Bar plates
- › Bearings
- › Bridge bearings

CE	Grain size	Undergrouting	Compressive strength			Bending tensile strength			Consumption
		height	N/mm ²			N/mm ²			Dry mortar
	mm	mm	1d	7d	28d	1d	7d	28d	kg/m ³
V14/10	0 - 1	10 - 30	≥ 45	≥ 65	≥ 75	≥ 5	≥ 8	≥ 9	2.000
V14/40	0 - 4	10 - 70	≥ 45	≥ 65	≥ 75	≥ 5	≥ 8	≥ 9	2.000
V14/80	0 - 8	50 - 100	≥ 45	≥ 65	≥ 70	n. d.	n. d.	n. d.	2.100

n. d. = not determined

QUICK-SETTING GROUT


QUICK-SETTING GROUT

Properties

- › Ready for bearing loads after 2 hours (even at 5 °C)
- › High flowability
- › Controlled swelling
- › Ready to use
- › High frost and frost-deicing salt resistance
- › Pumpable

Areas of application

- › Turbines
- › Anchor bolts, fixators
- › Steel and concrete columns
- › Bridge bearings
- › Bars

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³
			2 h	4 h	1 d	28 d	2 h	4 h	1 d	28 d	
V2/10	0 - 1	5 - 30	≥ 5	≥ 10	≥ 30	≥ 70	≥ 2	≥ 2,5	≥ 4	≥ 9	2.000
V2/40	0 - 4	20 - 100	≥ 5	≥ 10	≥ 25	≥ 70	≥ 2	≥ 2,5	≥ 4	≥ 9	2.000
V2/80	0 - 8	50 - 200	≥ 5	≥ 10	≥ 25	≥ 70	≥ 2	≥ 2,5	≥ 4	≥ 9	2.100
V2/160	0 - 16	100 - 400	≥ 5	≥ 10	≥ 40	≥ 70	≥ 2	≥ 2,5	≥ 4	≥ 9	2.100

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength
V2/10	Categorisation	f2	-	B	C55/67
V2/40	Categorisation	f2	-	B	C55/67
V2/80	Categorisation	-	a3	B	C60/75
V2/160	Categorisation	-	a2	A	C60/75


RAPID-SETTING GROUT

Properties

- › Ready for bearing loads after 30 minutes (20 °C)
- › Extremely high early strength
- › Flowable
- › Controlled swelling
- › High sulfate resistance
- › High frost-deicing salt resistance

Areas of application

- › Manhole cover grouting (DIN 19573)
- › Pipe feedthroughs
- › Installation works
- › Columns and prefabricated parts

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³
			0,5 h	2 h	1 d	28 d	0,5 h	2 h	1 d	28 d	
VB10	0 - 1	10 - 50	≥ 5	≥ 10	≥ 35	≥ 60	≥ 1	≥ 3	≥ 4	≥ 9	1.900
VB40	0 - 4	30 - 60	≥ 5	≥ 10	≥ 35	≥ 60	≥ 1	≥ 3	≥ 4	≥ 9	1.900

QUICK-SETTING GROUT

RAPID-SETTING MORTAR

Properties

- › Ready for bearing loads after 30 minutes (20 °C)
- › Plastic
- › Extremely high early strength
- › Controlled swelling
- › High sulfate resistance
- › High frost and frost-deicing salt resistance
- › Temperature range: (+1 °C to +30 °C)
- › Frost resistant after 2 h

Areas of application

- › Bearing of shaft rings
- › Shaft coatings
- › Repair measures in the channel
- › Chippings, edge profilings

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³
			0,5 h	2 h	1 d	28 d	0,5 h	2 h	1 d	28 d	
			VB-P10	0 - 0,5	10 - 30	≥ 5	≥ 10	≥ 35	≥ 55	n. d.	

n. d. = not determined

TURBO GROUT

Properties

- › Ready for bearing loads after 30 minutes (20 °C)
- › High flowability
- › Extremely high early strength
- › Controlled swelling
- › High sulfate resistance
- › High frost and frost-deicing salt resistance
- › Temperature range: (+1 °C to +30 °C)
- › Frost resistant after 2 h

Areas of application

- › Shaft grouting (DIN 19573)
- › Service connections
- › Inspection openings
- › Signalling systems
- › Gas and water installations

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³
			0,5 h	2 h	1 d	28d	0,5 h	2 h	1 d	28 d	
			VT05	0 - 0,5	10 - 30	≥ 5	≥ 10	≥ 25	≥ 55	≥ 2	
VT10	0 - 1	10 - 50	≥ 5	≥ 10	≥ 45	≥ 70	≥ 2	≥ 2	≥ 5	≥ 8	1.900

TURBO MORTAR

Properties

- › Ready for bearing loads after 30 minutes (20 °C)
- › Plastic
- › Extremely high early strength
- › Controlled swelling
- › High sulfate resistance
- › High frost and frost-deicing salt resistance
- › Temperature range: (+1 °C to +30 °C)
- › Frost resistant after 2 h

Areas of application

- › Shaft restoration

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³
			0,5 h	2 h	1 d	28d	0,5 h	2 h	1 d	28 d	
			VT-P10	0 - 1	10 - 50	≥ 5	≥ 10	≥ 35	≥ 55	≥ 2	

SUPER HIGH STRENGTH GROUT

SUPER HIGH STRENGTH GROUT C100/115

Properties

- › Very high early and final strengths
- › High fatigue resistance
- › Controlled swelling
- › Pumpable and easy to process
- › High frost and frost-deicing salt resistance
- › Very high strengths

Areas of application

- › Wind energy plants offshore and onshore
- › Grouting joints
- › Portal and container railway systems
- › **V1/0HF**: Forerun mixture for grouting hoses

CE U	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1 d	7 d	28 d	1 d	7 d	28 d	
			V1®/30HF	0 - 3	30 - 300	≥ 70	≥ 90	≥ 120	
V1®/60HF	0 - 6	40 - 400	≥ 70	≥ 90	≥ 115	≥ 8	≥ 13	≥ 15	2.300
V1®/0HF	0	-	≥ 60	≥ 85	≥ 100	n. b.	n. b.	n. b.	1.850

n. d. = not determined

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class
V1®/30HF Categorisation	f1	-	SKVB0	A	C100/115
V1®/60HF Categorisation	-	a2	SKVB0	A	C100/115

SUPER HIGH STRENGTH GROUT C80/95

Properties

- › Low w/c value
- › High strengths after 24 h and high final strengths
- › Pumpability over long distances and easy to process, even at low application temperatures
- › Controlled swelling with frictional bond between prefabricated reinforced concrete parts

Areas of application

- › Grouting joints
- › Filling cavities
- › Grouting of prefabricated parts

CE U	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1 d	7 d	28 d	1 d	7 d	28 d	
			HF10	0 - 1	5 - 30	≥ 70	≥ 90	≥ 115	

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class
HF10 Categorisation	f3	-	SKVM II	A	C80/95

SUPER HIGH STRENGTH GROUT


SPECIAL GROUT C80/95

Properties

- › Controlled swelling
- › High early and final strengths
- › Impermeable to water
- › High frost and frost-deicing salt resistance
- › High fatigue resistance
- › Pumpable and easy to process

Areas of application

- › Onshore grouting: Hybrid tower, steel, reinforced concrete, and prestressed concrete towers
- › Turbines, generators, compressors, diesel engines, machine plants and components exposed to high dynamic loads
- › Prefabricated concrete parts and structural steelworks
- › Paper plants, chemical plants and refineries

CE 	Grain size	Undergrouting height	Compressive strength			Bending tensile strength			Consumption
	mm	mm	N/mm ²			N/mm ²			Dry mortar
			1 d	7 d	28 d	1 d	7 d	28 d	kg/m ³
V3/50	0 - 5	20 - 125	≥ 50	≥ 65	≥ 95	≥ 6	≥ 9	≥ 12	2.100

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength	
V3/50	Categorisation	-	a3	SKVB 0	A	C80/95

SPECIAL APPLICATIONS

ANCHOR MORTAR

Properties

- › High flowability (E1)
- › Plastic consistency (E1SF)
- › Pumpable and groutable
- › Controlled swelling
- › Building material class A1 (non-combustible)

Areas of application

- › Mining and tunnel construction
- › Stabilisation of subsoil
- › Filling of cavities and joints

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
E1	0 - 0,5	-	≥ 40	≥ 55	≥ 65	≥ 5	≥ 6	≥ 7	1.600
E1SF	0 - 0,5	-	≥ 15	≥ 40	≥ 50	≥ 4	≥ 6	≥ 7	1.800

ANCHOR AND INJECTION MORTAR

Properties

- › High flowability
- › Controlled swelling
- › Free of aggregates
- › High early and final strength
- › Building material class A1 (non-combustible)

Areas of application

- › Grouting and casting of anchorings
- › Injection of cracks, gravel patches and joint cavities in vertical and horizontal positions
- › Grouting of tensioning ducts

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
E1F	0 - 0,125	-	≥ 30	≥ 45	≥ 60	≥ 4	≥ 6	≥ 7	1.500

SPECIAL APPLICATIONS

STEEL-FIBRE GROUT

Properties

- › Highly durable
- › Steel fibre reinforced
- › Controlled swelling
- › High early and final strengths

Areas of application

- › Crane rails
- › Constructive parts
- › Presses
- › Foundations

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			V1A/40	0 - 4	40 - 70	≥ 40	≥ 60	≥ 70	
V1A/80	0 - 8	60 - 200	≥ 40	≥ 60	≥ 70	n. d.	n. d.	n. d.	2.100

n. d. = not determined

STEEL FIBRE BASALT GROUT

Properties

- › Highly durable
- › Steel fibre reinforced
- › Controlled swelling
- › High early and final strengths
- › Heat resistant up to 400°C (short duration)

Areas of application

- › High temperature areas in steelworks
- › Crane rails
- › Constructive parts
- › Presses
- › Foundations

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			V1A15/30	0 - 3	40 - 80	≥ 40	≥ 60	≥ 70	
V1A15/50	0 - 5	60 - 120	≥ 40	≥ 60	≥ 70	≥ 6	≥ 8	≥ 10	2.200

BASALT GROUT

Properties

- › Heat resistant up to 400°C (short duration)
- › Controlled swelling
- › High early and final strengths

Areas of application

- › High temperature areas in steelworks
- › Machines
- › Anchorings
- › Steel columns

CE	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			V15/30	0 - 3	30 - 50	≥ 40	≥ 60	≥ 75	
V15/50	0 - 5	40 - 100	≥ 40	≥ 60	≥ 75	≥ 5	≥ 7	≥ 8	2.200

SPECIAL APPLICATIONS


GROUT

Properties

- › High flowability, up to at least 90 minutes
- › Easy to process
- › Controlled swelling
- › Low heat development
- › High frost-deicing salt resistance
- › Building material class A1 (non-combustible)

Areas of application

- › Rigid joint grouting to connect concrete parts with **PFEIFER®-VS® system elements**
- › Grouting of tensile-and transverse-force stressed joints of prefabricated parts in connection with **PFEIFER-VS® SYSTEMS**
- › Grouting of connections with:
PFEIFER Column shoe system,
PFEIFER wall connection system

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²				Bending tensile strength N/mm ²				Consumption Dry mortar kg/m ³	
			1 d	7 d	28 d	90 d	1 d	7 d	28 d	90 d		
			VS®	0 - 5	20 - 120	≥ 40	≥ 70	≥ 80	≥ 90	≥ 4		≥ 6

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class	
VS®	Categorisation	-	a3	SKVB I	A	C60/75

SPECIAL APPLICATIONS


JOINT MORTAR

Properties

- › Non-shrinking joint mortar with thixotropic consistency
- › Controlled swelling
- › Pumpable
- › Develops high early and final strengths
- › Impermeable to water
- › Building material class A1 (non-combustible)

Areas of application

- › Joint mortar approved under the building authority's regulations within the scope of **PFEIFER-VS® - ISI/BZ-Systeme** ^{3D}
- › Grouting of vertical and horizontal joints of precast concrete parts
- › For filling building joints, groves and hollow spaces

CE 	Grain size mm	Undergrouting height mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1 d	7 d	28 d	1 d	7 d	28 d	
			VS®P	0 - 2	10 - 40	≥ 40	≥ 60	≥ 80	

Classification acc. to the DAfStb VeBMR directive:

	Flowability class	Slump flow class	Shrinkage class	Early strength class	Compressive strength class
VS®P	Categorisation plastic	-	SKVM II	A	C55/67

CORROSION PROTECTION AND BONDING LAYER

CORROSION PROTECTION AND BONDING LAYER

Properties

- › High quality corrosion protection and bonding layer
- › Is only mixed with water
- › Increases the active corrosion protection
- › Easy to process

Areas of application

- › Mineral corrosion protection for reinforcing steel
- › Bonding layer on concrete and cement-bound mortar substrates
- › For pre-watered mineral substrates

CE		Consumption
		Dry mortar
		kg/m ²
RM02	Corrosion protection	4 - 6
RM02	Bonding layer	2 - 4

CORROSION PROTECTION AND BONDING LAYER

CORROSION PROTECTION AND BONDING LAYER

Properties

- › High quality corrosion protection and bonding layer
- › Is only mixed with water
- › Increases the active corrosion protection
- › Easy to process
- › High frost-deicing salt resistance

Areas of application

- › Mineral corrosion protection for reinforcing steel
- › Bonding layer on concrete and cement-bound mortar substrates
- › For pre-watered mineral substrates

CE		Consumption Dry mortar kg/m ²
MH02	Corrosion protection	4 - 6
MH02	Bonding layer	2 - 4
MS02	Corrosion protection	4 - 6
MS02	Bonding layer	2 - 4

CONSTRUCTIVE REPAIR

CONSTRUCTION MORTAR (PCC/SPCC)

Properties

- › Ready to use repair mortar
 - › Reduces the ingressing of CO₂
 - › Soft-plastic processing consistency
 - › High frost-deicing salt resistance
 - › Open to water vapour diffusion
 - › Building material class A1 (non-combustible)
- RM02:** Corrosion protection and bonding layer

Areas of application

- › Repair of concrete, prestressed concrete and reinforced concrete constructions
- › Repair of chloride-damaged columns
- › Reinforcement of damaged reinforced concrete construction elements
- › Repair of concrete in the sea and inland waterways area

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			CM20 PCC	0 - 2	10 - 60*	≥ 30	≥ 40	≥ 50	
CM20 SPCC	0 - 2	10 - 60*	n. d.	≥ 45	≥ 55	n. d.	≥ 5	≥ 7	1.850

* permissible overall thickness of layer acc. to ZTV-ING 50 mm

n. d. = not determined

TUDALIT®-Fine concrete

Properties

- › Fine concrete especially matched to the **TUDALIT®** textile fabric
- › Soft plastic thixotropic consistency for **TUDALIT®** textile fabrics
- › High-performance fine concrete as a matrix for textile fabric
- › Controlled swelling
- › Low modulus of elasticity and high bending tensile strength
- › Subject of approval:
Method for the reinforcement of reinforced concrete with **TUDALIT®** (textile-reinforced concrete)
- › Building material class A1 (non-combustible)

Areas of application

- › Structural support in the tension zone of reinforced concrete components
- › Reduction of layer thicknesses for structural repair work
- › For the reinforcement of reinforced concrete components in the hand laminating method and in the **MAWO-PAGEL®** dense phase wet spraying application method

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			24 h	7d	28d	24 h	7d	28d	
			TF10	0 - 1	3 - 30	≥ 15	≥ 40	≥ 80	

SYSTEMS FOR STORING, FILLING AND HANDLING WATER-POLLUTING SUBSTANCES

Properties

- › Ready to use repair mortar
- › Reduces the ingressing of CO₂
- › Soft-plastic processing consistency
- › High frost-deicing salt resistance

Areas of application

- › Mortar system for protection against water-polluting liquids
- › Repair of plants and components
- › Repair of sealing constructions made of concrete

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			24 h	7d	28d	24 h	7d	28d	
			FD/20	0 - 2	10 - 50	≥ 30	≥ 40	≥ 50	

REPAIR

REPAIR MORTAR (PCC/M2)

Properties

- › Ready to use repair mortar
- › Reduces the ingressing of CO₂
- › Soft-plastic processing consistency
- › **RM02:** Corrosion protection and bonding layer
- › Building material class A1 (non-combustible)

Areas of application

- › Repair of concrete, prestressed concrete and reinforced concrete constructions
- › Reprofiling of bridge decks
- › Areas of application PCC I and PCC II according to ZTV-ING

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			RM20	0 - 2	10 - 60*	≥ 30	≥ 40	≥ 50	

* permissible overall thickness of layer acc. to ZTV-ING 50 mm
n. d. = not determined

PCC-I-MORTAR

Properties

- › PCC-I areas of repair (ZTV-ING, ZTV-W, Rili-SIB)
- › Easy to process
- › Polymer-modified
- › Ready to use, one-component
- › High frost-deicing salt resistance
- › Applicable and loadable under dynamic stress
- › **MH02:** Corrosion protection and bonding layer

Areas of application

- › Levelling layer for bridges and car parks (under linings and coatings)
- › Concrete coatings
- › Concrete floor spaces
- › Gradient compensation
- › Repairs of chippings
- › ZTV ING application: PCC I
- › ZTV-W listed
- › Stress and strain classification according to DAfStb-Rili-SIB: M2

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²		Bending tensile strength N/mm ²		Consumption Dry mortar kg/(m ² · mm)
			7d	28d	7d	28d	
			MH20	0 - 2	6 - 40	≥ 35	
MH80	0 - 8	≥ 30	≥ 35	≥ 55	≥ 6	≥ 8	2,0

SCREED (PCC)

Properties

- › Screed areas (ZTV-ING; OS-C; OS-DII, Rili-SIB)
- › Highly adhesive
- › Universally applicable
- › Sprayable
- › Open to water vapour diffusion
- › Building material class A2-S1, d0 (non-combustible)

Areas of application

- › Levelling work
- › Cavity and pore closing
- › Joints
- › Scraping
- › Bridges, tunnel
- › Facades, parapets

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²		Bending tensile strength N/mm ²		Consumption Dry mortar kg/(m ² · mm)
			7d	28d	7d	28d	
			MS05	0 - 0,5	1,5 - 6	≥ 35	

REPAIR

SPRAY MORTAR (SPCC/M2)

Properties

- › Ready to use repair mortar
- › Reduces the ingressing of CO₂ and moisture
- › Soft-plastic processing consistency
- › High frost-deicing salt resistance
- › Open to water vapour diffusion
- › Building material class A1 (non-combustible)

Areas of application

- › Repair of reinforced concrete, concrete and prestressed concrete constructions
- › Repair of chloride-damaged columns
- › Increase of the reinforcement concrete cover
- › Repair of concrete in the sea and inland waterways area

CE	Grain size mm	Layer thickness mm	Compressive strength			Bending tensile strength			Consumption Dry mortar kg/m ³
			N/mm ²			N/mm ²			
			7 d	28 d		7 d	28 d		
SM20	0 - 2	10 - 60*	≥ 40	≥ 50		n. d.	n. d.	1.850	

* permissible overall thickness of layer acc. to ZTV-ING 50 mm

n. d. = not determined

SPCC SPRAY MORTAR (S-A2, S-A3)

Properties

- › Low modulus of elasticity
- › Ready to use repair mortar
- › Reduces the ingressing of CO₂ and moisture
- › Soft-plastic processing consistency
- › High frost and frost-deicing salt resistance

Areas of application

- › Concrete replacement for the old concrete classes A2 and A3

CE	Grain size mm	Layer thickness mm	Compressive strength			Bending tensile strength			Consumption Dry mortar kg/(m ² · mm)
			N/mm ²			N/mm ²			
			1 d	7 d	28 d	1 d	7 d	28 d	
SP45	0 - 4	20 - 60*	≥ 5	≥ 20	≥ 30	≥ 2	≥ 4	≥ 6	2,0

* permissible overall thickness of layer acc. to ZTV-ING 50 mm

n. d. = not determined

REPAIR

REPAIR MORTAR

Properties

- › Ready to use and easy to process
- › High stability and bonding
- › Sprayable
- › Building material class A1 (non-combustible)
- U02:** Fine screed
- U05:** Screed
- U10:** Fine mortar/Bonding layer

Areas of application

- › Walls and floors
- › Industrial floor
- › Storage and ramp areas
- › Joints of prefabricated parts
- › Concrete replacement

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			1d	7d	28d	1d	7d	28d	
			U02	0 - 0,2	0,5 - 3	≥ 15	≥ 35	≥ 45	
U05	0 - 0,5	2 - 6	≥ 15	≥ 35	≥ 45	≥ 3	≥ 5	≥ 7	1,9
U10	0 - 1	5 - 20	≥ 20	≥ 50	≥ 60	≥ 3	≥ 6	≥ 7	1,9
U20	0 - 2	10 - 30	≥ 20	≥ 40	≥ 50	≥ 3	≥ 6	≥ 7	1,9
U40	0 - 4	10 - 40	≥ 25	≥ 50	≥ 65	≥ 4	≥ 6	≥ 8	1,9
U80	0 - 8	30 - 80	≥ 20	≥ 45	≥ 55	n. d.	n. d.	n. d.	1,9
U160	0 - 16	≥ 50	≥ 35	≥ 50	≥ 60	n. d.	n. d.	n. d.	2,1

n. d. = not determined

QUICK REPAIR MORTAR

Properties

- › Ready for bearing loads after 2 hours (even at 5 °C)
- › Good bonding
- › Without chloride-containing additives
- › Easy to process
- R20/02:** Quick repair fine screed
- R20/05:** Quick repair screed
- R20/10:** Quick repair mortar/Bonding layer

Areas of application

- › Areas of quick repair
- › Concrete and mortar areas
- › Screeds, stairs
- › Industrial floor

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²				Consumption Dry mortar kg/(m ² · mm)
			2 h	1 d	7 d	28 d	
			R20/02	0 - 0,2	0,5 - 5	≥ 5	
R20/05	0 - 0,5	2 - 6	≥ 5	≥ 20	≥ 40	≥ 50	1,8
R20/10	0 - 1	3 - 20	≥ 5	≥ 20	≥ 40	≥ 55	1,9
R20/20	0 - 2	5 - 40	≥ 5	≥ 25	≥ 40	≥ 55	2,0
R20/40	0 - 4	20 - 50	≥ 5	≥ 25	≥ 45	≥ 55	2,0
R20/80	0 - 8	30 - 100	≥ 5	≥ 25	≥ 40	≥ 55	2,0

WASTE WATER

CHANNEL MORTAR

Properties

- › High resistance against strong chemical attack
- › Resistant to sulfate attack (industry) and ammonium attack (agriculture)
- › Ready to use, pumpable and sprayable
- › Impermeable to water
- › **KA20:** Bonding layer, mortar

Areas of application

- › Channel and waste water area
- › Channel pipes
- › Sewage treatment plants
- › Waste water collectors
- › Broken areas, holes, edges
- › Channel repair
- › Shaft restoration

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			1d	7d	28d	1d	7d	28d	
KA20	0 - 2	6 - 40	≥ 15	≥ 40	≥ 55	≥ 3	≥ 6	≥ 8	1,9

CHANNEL MORTAR

Properties

- › Synthetically modified, cement-bound ready to use mortar
- › For the partial and extensive repair of concrete
- › Suitable for manual application to both vertical and overhead surfaces as well as horizontal substrates
- › Ready to use
- › Pumpable

Areas of application

- › Sewage treatment plants
- › Waste water collectors
- › Grouting of masonry joints
- › Waste water drainage systems
- › Areas subject to high chemical loads
- › Shaft construction

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			1d	7d	28d	1d	7d	28d	
KA-PH1	0 - 2	6 - 40	≥ 15	≥ 40	≥ 55	≥ 3	≥ 6	≥ 8	1,9

WASTE WATER

REPAIR MORTAR, TURBO REPAIR MORTAR

Properties

- › Extremely rapid setting repair mortar suitable for all kinds of repairs, filling and sealing
- › Particularly easy to process
- › Resilient within a short period of time
- › Impermeable to water
- › Processing time at 20 °C approx. 30 s
- KA-TS:** Quicker hardening than **KA-S**

Areas of application

- › Sealing of rigid cracks
- › Temporary sealing of water-bearing cracks, surfaces and water-inrushes
- › Assembly and installation mortar
- › Keeps out pressing water

	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d	
			KA-S	0 - 0,5	0,5 - 30	≥ 30	≥ 50	≥ 60	
KA-TS	0 - 0,5	0,5 - 30	≥ 30	≥ 50	≥ 60	n. d.	n. d.	n. d.	1.750

n. d. = not determined

SLURRY

Properties

- › Perfectly bonds to load-bearing concrete and brick substrates
- › Building material class A1 (non-combustible)
- › Impermeable to water and largely resistant to oils and fuels
- › Suitable for manual and machine application

Areas of application

- › Waste water collectors
- › Sewage wells
- › Channel and waste water drainage systems
- › Process water reservoirs
- › Sealing against non-pressing water (inside and outside)

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			1d	7d	28d	1d	7d	28d	
			KACHannel slurry	0 - 0,5	2 - 6	≥ 25	≥ 40	≥ 50	

DRINKING WATER

MORTAR FOR DRINKING WATER APPLICATIONS

Properties

- › Sprayable
- › Impermeable to water
- TW05:** Screed
- TW10:** Bonding layer and mortar

Areas of application

- › Drinking water treatment plants
- › Walls and floors
- › Water pipes
- › Sewage treatment plants

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar
			1 d	7 d	28 d	7 d	kg/(m ² · mm)
			TW05	0 - 0,5	2 - 6	≥ 15	≥ 35
TW10	0 - 1	5 - 10	≥ 25	≥ 45	≥ 55	≥ 2	1,9
TW20	0 - 2	10 - 30	≥ 25	≥ 45	≥ 55	≥ 2	1,9
TW40	0 - 4	20 - 40	≥ 25	≥ 45	≥ 60	≥ 2	1,9

MORTAR FOR DRINKING WATER APPLICATIONS

Properties

- › Sprayable
- › Impermeable to water
- TW05weiss:** Screed
- TW10weiss:** Bonding layer and mortar

Areas of application

- › Drinking water treatment plants
- › Meets recommendations for drinking water (KTW)
- › Walls and floors
- › Water pipes
- › Sewage treatment plants

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar
			1 d	7 d	28 d	7 d	kg/(m ² · mm)
			TW05white	0 - 0,5	2 - 6	≥ 15	≥ 30
TW10white	0 - 1	5 - 10	≥ 20	≥ 40	≥ 50	≥ 2	1,9
TW20white	0 - 2	10 - 30	≥ 20	≥ 35	≥ 45	≥ 2	1,9
TW40white	0 - 4	20 - 40	≥ 25	≥ 35	≥ 45	≥ 2	1,9

DRINKING WATER

MORTAR FOR DRINKING WATER APPLICATIONS TYPE 1 (0 - 2 mm)

Properties

- › DVGW W300-5 Type class: Type 1
- › Without concrete additives and without plastic-containing additives
- › Low capillary porosity
- › Microbiologically suitable for use in drinking water
- › Does not promote microbial growth
- › No bactericidal or fungicide properties
- › Suitable for dense flow wet spraying applications
- › Lowest possible rebound and almost dust-free when using the MAWO-nozzle

Areas of application

- › Repair of drinking water containers
- › Coatings in the drinking water sector and in water treatment plants
- › Repair of concrete, plaster and screed in the food industry

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/(m ² · mm)
			1d	7d	28d	1d	7d	28d	
			TW1/20	0 - 2	10 - 30	≥ 15	≥ 35	≥ 50	

SURFACE PROTECTION

HYDROPHOBATION

Properties

- › Cream-like, free of solvents
- › Alkali-resistant
- › Ready to use
- › High penetration
- › Prevents surface protection coatings to get damp underneath
- › Single application
- › Very economical

Areas of application

- › S-A-OS-B or OS-1OS-2 area
- › Concrete and cement mortar areas
- › Facades
- › Bridges

CE	Applications	Layer thickness	Adhesive pull strength	Processing temperature	Processing time	Consumption
	No.	mm	N/mm ²	°C	min	kg/m ²
O2A	1	-	-	+5 to +30	unlimited	0,20 - 0,40

CONCRETE PROTECTION COATING

Properties

- › Processable on slightly moist or dry substrate
- › Short waiting times
- › Open to water vapour diffusion
- › Solvent-free
- › Different RAL-colours

Areas of application

- › OS-C-OS-B or OS-4OS-2 area
- › Bridges
- › Concrete facades
- › Follow-up treatment
- › Tunnel
- › Container

CE	Applications	Layer thickness	Adhesive pull strength	Processing temperature	Processing time	Consumption
	No.	mm	N/mm ²	°C	min	kg/m ²
O2C	2	0,12 - 0,36	≥ 1,3	+5 to +40	unlimited	0,24 - 0,29

CONCRETE PROTECTION COATING

Properties

- › Crack-bridging
- › High elongation when subjected to tearing
- › Open to water vapour diffusion
- › Solvent-free
- › Different RAL-colours

Areas of application

- › OS-DII or OS-5A area
- › Bridges
- › Concrete and mortar areas
- › Tunnel
- › Areas of hairline and shrinkage cracking

CE	Applications	Layer thickness	Adhesive pull strength	Processing temperature	Processing time	Consumption
	No.	mm	N/mm ²	°C	min	kg/m ²
O2DE	3	0,33 - 2,66	≥ 1,3	+5 to +40	unlimited	0,34 - 0,37

SURFACE PROTECTION

PAGELASTIC

Properties

- › High elasticity
- › Crack-bridging
- › Open to water vapour diffusion
- › 2-component
- › Impermeable to water

Areas of application

- › OS-DI or OS-5B area
- › Bridges
- › Concrete and mortar areas
- › Tunnel
- › Areas of hairline and shrinkage cracking
- › Sealing of structures

CE	Applications	Layer thickness	Adhesive pull strength	Processing temperature	Processing time	Consumption
	No.	mm	N/mm ²	°C	min	kg/m ²
D1	2	2	≥ 0,8	+5 to +30	approx. 120	2,50 - 2,70

SILICEOUS IMPREGNATION

Properties

- › Permanent surface protection
- › Protection from carbonation
- › Strengthens the substrate
- › Protection from blooming
- › Heat resistant

Areas of application

- › Concrete, walls, screeds, cellars, pipes and horizontal barriers
- › With a subsequent protective coating of the surface
- › Areas with a high chemical loading
- › Areas that are exposed to salt water

	Applications	Consistency	Viscosity	Processing temperature	Density	Consumption
	No.	mm	mPas	°C	g/cm ³	kg/m ²
SEAL SI100	2	liquid	≥ 100	+5 to +55	approx. 1,1	0,40 - 0,80

SILICEOUS SEALANT

Properties

- › Strengthens the substrate
- › For sealing against liquids
- › For the protection and repair of fresh water reservoirs
- › Protection from blooming
- › Heat resistant, environment friendly

Areas of application

- › Surface protection for concrete, screeds, pipes
- › Sealing against dampness on walls
- › Areas with a high mechanical and chemical load
- › Areas that are exposed to salt water

	Applications	Consistency	Viscosity	Processing temperature	Density	Consumption
	No.	mm	mPas	°C	g/cm ³	kg/m ²
TOP SEAL SV100	1 - 2	liquid	≥ 100	+5 to +55	approx. 1,1	0,15 - 0,40

INDUSTRIAL FLOOR BONDING LAYER, INDUSTRIAL FLOOR, STEEL FIBRE FLOOR/READY-MADE FLOOR

INDUSTRIAL FLOOR BONDING LAYER

Properties

- › For mineral industrial floor coatings
- › Low water-cement ratio

PH15: Basalt aggregates

Areas of application

- › Bonding layer for: Industrial floor coatings
Industriebodenbeschichtungen
- › Industrial floor coverings
- › Concrete substrates

CE	Grain size mm	Consumption	
		Dry mortar kg/m ³	
IH10	0 - 1	2 - 4	for IB20 Industrial floor
PH10	0 - 1	2 - 4	for P3A Steel fibre floor
PH15	0 - 2	2 - 4	for P3A/15 Steel fibre basalt floor

INDUSTRIAL FLOOR

Properties

- › Ready to use industrial floor
- › Low shrinkage
- › Abrasion proof
- › Stress groups II and III (DIN 18560-7)
- › Easy to process
- › Resilient within a short period of time

Areas of application

- › Industrial floors
- › Warehouses
- › Aircraft hangars
- › Car parks
- › Repair workshops and garages
- › Exhibition halls
- › Market halls

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d		
			≥ 20	≥ 40	≥ 60	≥ 3	≥ 5	≥ 7		
IB20	0 - 2	10 - 100	≥ 20	≥ 40	≥ 60	≥ 3	≥ 5	≥ 7	2,0	2.000

STEEL FIBRE BASALT FLOORS

Properties

- › Viscoplastic, ready to use
 - › Impact resistant and abrasion proof
- P3A/15:** Basalt aggregate, heat proof

Areas of application

- › Rolling and steel plants
- › Tank workshops
- › Industrial halls

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d		
			≥ 45	≥ 70	≥ 80	≥ 5	≥ 8	≥ 9		
P3A	0 - 8	20 - 80	≥ 45	≥ 70	≥ 80	≥ 5	≥ 8	≥ 9	2,0	2.250
P3A/15	0 - 5	20 - 80	≥ 50	≥ 75	≥ 85	≥ 6	≥ 9	≥ 11	2,0	2.500

FLOATING SCREED; REPAIR CONCRETE

FLOATING SCREED

Properties

- › Cement-bound floating screed
- › Portland cement-based
- › High density indoors and outdoors
- › High flowability, can be walked on after 3 hours, sped-up construction process
- › Impermeable to water

Areas of application

- › Composite screed for wearing and balance layers
- › Top surface coverings for living and industrial buildings
- › Garages, parking decks, balconies
- › Terraces, cellar soils

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar kg/m ² · mm
			1d	7d	28d	1d	7d	28d		
			≥ 20	≥ 45	≥ 55	≥ 4	≥ 6	≥ 8		
FE20	0 - 2,0	5 - 20	≥ 20	≥ 45	≥ 55	≥ 4	≥ 6	≥ 8	n. d.	1,8

n. d. = not determined

REPAIR CONCRETE

Properties

- › Consistency class of F2 to F3 = plastic to soft (DIN 1045-2/EN 206-1)
- › Reaches full strength after as little as 2 hours, including in low application temperatures
- › Very high early and final strengths
- › High frost and deicing salt resistance after 12 hours and after 28 days

Areas of application

- › Structural maintenance of concrete traffic surfaces
- › Repair of concrete runways, floor slabs and concrete areas
- › Hall floors
- › Airfields, taxiways and aprons
- › In the field of track construction "Solid track" Runway

CE	Grain size mm	Layer thickness mm	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Adhesive pull strength N/mm ²	Consumption Dry mortar kg/m ³
			1d	7d	28d	1d	7d	28d		
			≥ 25	≥ 45	≥ 55	≥ 4	≥ 6	≥ 8		
RB/50	0 - 5,0	60 - 200	≥ 25	≥ 45	≥ 55	≥ 4	≥ 6	≥ 8	n. d.	1.800

n. d. = not determined

RAPID-SETTING MORTAR, TILE ADHESIVE, EVAPORATION PROTECTION

RAPID-SETTING MORTAR

Properties

- › Installation areas
- › Easy to process
- › Quick setting
- › Load bearing
- › Ready to use
- › Waterproof

Areas of application

- › Fillings of e.g. anchorings
- › Repair of water breakthroughs
- › Resealing and filling
- › Sealings and assembling
- › Inserting of dowels
- › Sealing of holes

	Grain size mm	Layer thickness mm	Compressive strength				Bending tensile strength			Consumption Dry mortar kg/m ³
			N/mm ²				N/mm ²			
			1 h	1 d	7 d	28 d	1 d	7 d	28 d	
B1	0,1 - 0,5	1 - 3	≥ 2,5	≥ 30	≥ 40	≥ 55	n. d.	n. d.	n. d.	1.750

n. d. = not determined

TILE ADHESIVE

Properties

- › High adhesive strength and good flexibility
- › Universally applicable
- › Frost resistant

Areas of application

- › Wall and floor areas
- › Solid foam
- › Insulating and protective coating

CE	Applications	Layer thickness	Adhesive pull strength	Processing temperature	Processing time (at 20 °C)	Consumption
	No.	mm	N/mm ²	°C	min	Dry mortar kg/m ²
R34	1	1 - 3	≥ 1,5	+5 to +30	approx. 45	2,0

RAPID-SETTING MORTAR, TILE ADHESIVE, EVAPORATION PROTECTION

EVAPORATION PROTECTION

Properties

- › Protects surfaces from premature water evaporation
- › Provides for slower draining of the concrete, screed and mortar
- › Forms water vapour-close film
- › Reduces the risk of shrinkage cracking

Areas of application

- › Concrete and mortar areas
- › Cement screeds
- › Concrete bricks and prefabricated parts

	Applications	Layer thickness	Barrier coefficient	Application temperature	Processing time	Consumption
	No.	mm	%	°C	min	kg/m ²
O1	1	n. d.	85	+5 to +30	unlimited	0,10 - 0,15

n. d. = not determined

PRIMER/BONDING AGENT, COATING, MORTAR

EPOXY RESIN PRIMER/BONDING AGENT

Properties

- › Primer
- › Sealant
- › Solidification
- › Bonding layer
- › Top coat

Areas of application

EH1

- › Low viscosity, high penetration depth
- › Bonding layer on dry substrate

EH115

- › High bonding on moist substrate

CE	Applications	Layer thickness	Components	Processing temperature	Processing time (at 20 °C)	Consumption
	No.	mm		°C	min	kg/(m ² · mm)
EH1	1	n. d.	2	+10 to +30	approx. 45	0,25 - 0,80
EH115	1	n. d.	2	+10 to +30	approx. 45	0,25 - 0,80

n. d. = not determined

EPOXY RESIN COATING

Properties

- › Solvent-free
- › High density
- › Good flow properties
- › Weatherproof
- › Abrasion proof
- › Hydrophilic

Areas of application

EH120

- › Thin-bed coating
- › Self-levelling, pigmented, filled

EH130

- › Top coat
- › Final resin coating
- › Coating on concrete and screed
- › Pigmented, unfilled

CE	Applications	Layer thickness	Components	Processing temperature	Processing time (at 20 °C)	Consumption
	No.	mm		°C	min	kg/(m ² · mm)
EH120	1	1 - 5	2	+10 to +30	approx. 35 - 40	approx. 1,65
EH130	1	n. d.	2	+10 to +30	approx. 45	0,35 - 0,80

n. d. = not determined

EPOXY RESIN MORTAR

Properties

- › Easy to process
- › Abrasion proof
- › Impermeable to water
- › 3-component (resin, hardener, sand)

Areas of application

EH2

- › Packing and coating mortar
- › Posts, columns, pigmented

EH192

- › Coating mortar
- › Industrial halls, warehouses, garages, repair sites, transparent

CE	Applications	Layer thickness	Components	Processing temperature	Processing time (at 20 °C)	Consumption
	No.	mm		°C	min	kg/(m ² · mm)
EH2	1	3 - 40	3	+10 at +30	approx. 30	approx. 2,0
EH192	1	3 - 50	3	+10 at +30	approx. 30	approx. 2,0

GROUT, APPLICATION AIDS

EPOXY RESIN GROUT

Properties

- › Easy to process
- › Abrasion proof
- › Impermeable to water
- › 3-component (resin, hardener, sand)

Areas of application

- › Grout
- › Rail and ribbed plates, Galvanized steel components and non-iron-metals, precision bearings

CE	Grain size mm	Undergrouting height mm	Compo- nents	Compressive strength N/mm ²			Bending tensile strength N/mm ²			Consumption Dry mortar kg/m ²
				5 h	1 d	10 d	5 h	1 d	10 d	
EH196R	0,5	6 - 50	3	≥ 70	≥ 100	≥ 110	≥ 10	≥ 30	≥ 40	1,8

APPLICATION AIDS - CLEANER AND THINNER

Properties

- › Special cleaner for all kind of contaminated floors
- › Thinner for paints, lacquers, resins, etc.
- › Water-dilutable
- › Non-volatile
- › For easily and efficiently cleaning tools after work
- › For easily and efficiently removing hardened materials from tools

Areas of application

- › Cleaning contaminated industrial floors
- › Cleaning tools
- › Removing oils and grease
- › Will remove paint and coatings when used in concentrated form

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