

V10
V40
V80

Non-Shrink Grout

V
ER
TEX

Formerly Pagel Pakistan Pvt. Ltd.

Description

- Ready for use, just water to be added.
- Does not shrink. Exhibits controlled and even expansion.
- Rigid bond between foundation and steel and/or concrete unit.
- Resistant to freeze/thaw cycles.
- Pumpable and easy to pour even when having low temperatures.

Grouting Thickness:

V10	5 to 30 mm
V40	20 to 100 mm
V80	100 to 150 mm

Recommended Uses

- Universal-grout for grouting and boxing up machines.
- Concrete repairs.
- Turbines, generators, compressors, diesel engines and other power equipment operating under heavy vibration.
- Anchor screws, levelling units and sole plates.
- Steel and concrete columns.
- Prefabricated concrete units and structural steel works.
- High shelf store columns.
- Grouting of rails.



ADMIXTURES

SPECIAL ADMIXTURES

SURFACE IMPROVEMENT

GROUTS

WATER PROOFING

FLOORING

INDUSTRIAL COATINGS

JOINT SEALANTS

REPAIR / CRACK INJECTION

TILING SYSTEMS

Technical Data

TYPE			V10	V40	V80
Aggregate Size		Inch mm	0 - 0.04 0 - 1	0 - 0.16 0 - 4	0 - 0.31 0 - 8
Amount of water		%	12-13% 3 ¼ - 3½ QTS(3-3.25L)	10-12% 4 - 4¼ QTS(3.25-4L)	11%-2 ⁵ / ₈ - 3 QTS(2.5-2.75L)
Material Needed (dry mortar)		Kg/dm ³	1.9	2.0	2.1
Density of freshly mixed mortar		Kg/dm ³	2.21	2.3	2.33
Workability		Min.	>60	>60	>60
Flowability (channel)	at 20°C	inch (cm)	18.90 (48)	18.90 (48)	17.72 (45)
	Immediately	inch (cm)	16.93 (43)	14.96 (38)	13.78 (35)
Extension	60 Min.	Vol. %	+ 0,5	+ 1,0	+ 1,0
	24 h	Vol. %	+ 0,5	+ 1,0	+ 1,0
Compressive strength	28 h	PSI (MPA)	3,480 (24)	4,060 (28)	4,060 (28)
V10, V40, V80:1.57 x 1.57 x 6.30 inch	24 h	PSI (MPA)	6,380 (44)	6,670 (46)	6,670 (46)
	7 d	PSI (MPA)	7,830 (54)	8,410 (58)	8,410 (58)
	28 d				
Bending strength		PSI (MPA)	580 (4.0)	652.5 (4.5)	652.5 (4.5)
1.57 x 1.57 x 6.3 inch	24 h	PSI (MPA)	652.5 (4.5)	797.5 (5.5)	797.5 (5.5)
	7 d	PSI (MPA)	942.5 (6.5)	1,015 (7.0)	1,015 (7.0)
	28 d				
Pot Life at 30°C		min	120	120	120

Important Information:

Supplied in: 25kg Bags.

Storage: Dry, frost free area.
Out of direct sunlight.

Shelf life: 12 months.

Pot Life: 120 mins approx.

Hazard Class: No dangerous goods.

Application Guidelines

Substrate Preparation:

Anything that can impair adhesion must be removed including any grease, oil, dust, curing compounds or any previous coating using grit ballasting, milling or grinding. Mechanical wire brush can be used for small areas. The aggregate must be exposed and any repair must be done prior to application. Prior to grouting, the surface must be wetted continuously for approx. 6 hours till saturation.

Formwork:

Ensure formwork is watertight to prevent movement and leaking during placing and curing.

Mixing:

The grout is ready for use, only water is to be added. Measure out the correct quantity of water and fill two thirds of this into a concrete mixer, add the dry mortar and mix for about 3 minutes. Then fill in the remaining water and mix for another 2 minutes. Grouting then should take place immediately.

Placing:

Place the mixed grout from one side or corner only in one continuous pour. When grouting large areas, we suggest to pour starting from the middle using a pipe or funnel. When installing machines, fill the anchor bolt pockets first (up to approximately top of anchor bolt pockets) and then the underside of the machine.

Caution:

Exposed areas must be protected against wind, draught and premature evaporation by using for example a plastic foil or a curing compound such Vertex RockCure O2. Height and shoulders around base plates must not exceed 50 mm.

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