Chemical capsule KEM-VE 12

SORMAT CODE 9640072812

Vinylester glass capsule anchor for strong anchoring and clean finish in non-cracked concrete

- Self contained, spin-in type vinylester glass capsule anchor for bonding studs into drilled holes.
- Single use capsule is economical for individual applications and quick for serial installations. Also when clean finish is needed.
- Ability to bear dynamic loads.
- Exact resin volume per hole. Guaranteed 100 % filling. More economical than resins with larger drill hole diameters.
- Temperature resistance -40 °C - +80 °C.
- Suitable conditions related to stud material qualities: ZP for dry indoor and temporary outdoor use; HGD/MG and A2 for dry and humid indoor use, outdoor in rural areas only; A4 for indoor, outdoor and industrial use; HCR for extremely corrosive conditions.

PRODUCT OVERVIEW

Other codes	/
Material	Resin
Packages	box (bag): 10 / outer carton: 200
Weight	18.0 kg / 1000
GTIN-13	8716247728127
Availability	end of life

APPLICATIONS

- Machines
- Base plates
- High-bay shelves
- Protection barriers
- Industrial applications
- Close edge applications
- Small anchor spacings

BASE MATERIALS

ALSO SUITABLE FOR

- Natural stone
- Non-cracked concrete

APPROVALS / CERTIFICATES

Hygiene Certificate 3464 (SGR)

Technical data

INSTALLATION DETAILS

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Size	M12
Length (L)	95

Hole in fixture (D_f)	14
Drill hole diameter (d_0) ⌀	14
Minimum drill hole depth	110
Drill hole depth (h_1)	110
Nominal setting depth (H_{nom})	110
Effective setting depth (H_{ef})	110
Installation torque (T_{inst})	40

Gel and curing times

Base material temperature	Curing time
+30 °C	10 min
+20 °C	20 min
+5 °C	1 h
-5 °C	5 h

Installation details for solid base material

Stud size	SW	Hole in fixture (d_f)	Drill hole diameter (d_0)	Min. hole depth (h_1)	Embedment depth (h_{nom})
M12	19 mm	14 mm	14 mm	110 mm	110 mm

Performance data for solid base material

Stud size	Property class	Base material	Embedment depth (h_{nom})	Min. base material thickness (h_{min})	Installation torque (T_{inst})	Load type	Load direction	Load value
M12	Steel 5.8	Non-cracked concrete C20/25	110 mm	140 mm	40 Nm	N_{Rec}		15.9 kN
M12	Steel 5.8	Non-cracked concrete C20/25	110 mm	140 mm	40 Nm	V_{Rec}		12.0 kN
M12	A4-70	Non-cracked concrete C20/25	110 mm	140 mm	40 Nm	N_{Rec}		15.9 kN
M12	A4-70	Non-cracked concrete C20/25	110 mm	140 mm	40 Nm	V_{Rec}		13.3 kN

Installation