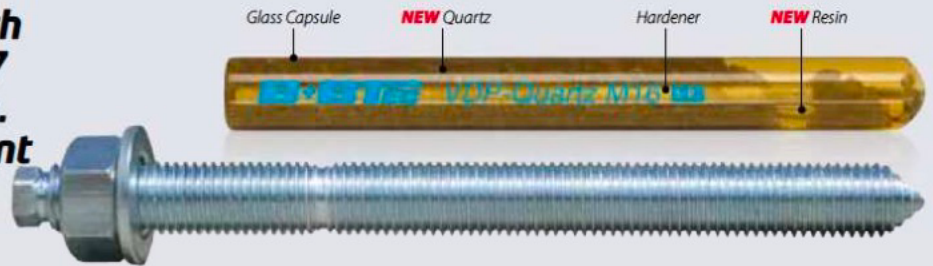




Glass Capsule Anchor with ETA Assessment Option 7 for Non-Cracked Concrete. SA TS 101:2015 Compliant



Anchor Components

Glass Capsule Anchor VDP-Quartz M8 - M30

- Glass capsule containing Quartz Aggregate, Hardener and Resin.
- Components are mixed by driving in Anchor Rod.

Suitable Anchor Rods M8 - M30

- Steel 5.8 and 8.8 Zinc Plated and Hot Dip Galvanized
- Stainless Steel A4-70 and A4-80
- High Corrosion Resistant Steel 1.4529

Use Conditions

- Installation in Non-Cracked Concrete C20/25 to C50/60 according to EN 206-1:2000-12 and SA TS 101:2015
- For Static and quasi static loading
- In Dry or Wet Holes
- Min. Installation Temperature: Mortar +5°C, Concrete -5°C.
- Structures subject to dry internal and permanent damp internal conditions.
- Structures subject to external atmospheric exposure.
- Overhead Installation allowed.

Typical Applications

- Infrastructure Construction (Roads, Viaducts, Sound Barriers, Crash Barriers, Harbours, High Rise Construction, Steel Construction)
- Production Facilities (Installation of Cranes, Robots, Conveyor Lines etc.)

Approvals & Test Reports



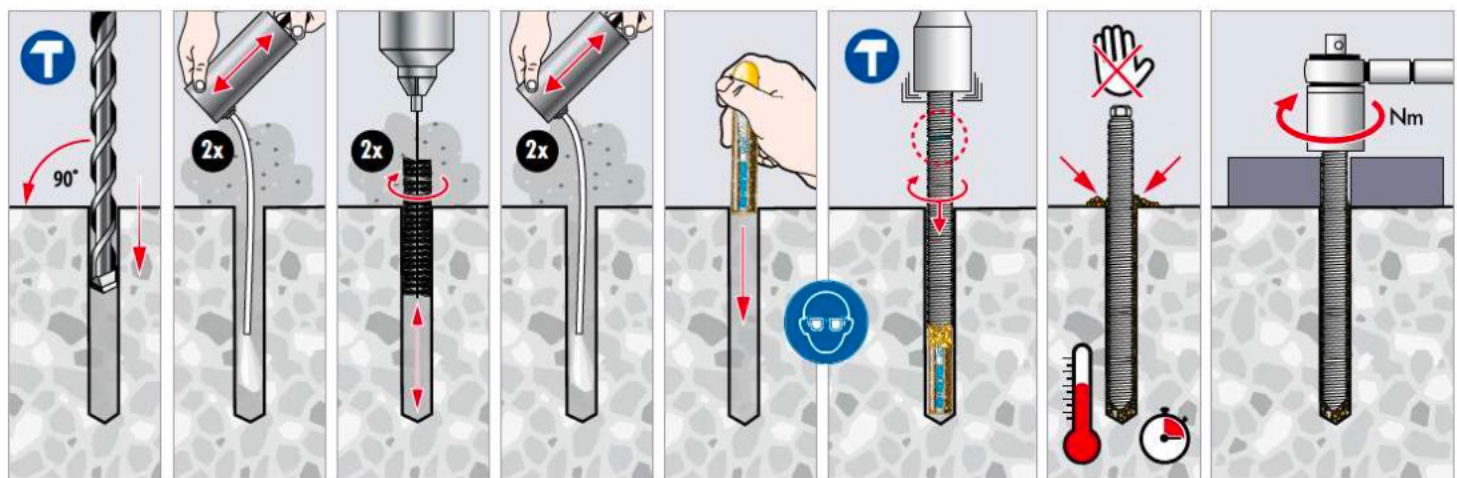
CSTB
le futur en construction

SGS

1



Installation Procedures



Curing Times

Temperature ³⁾	°C	-5	+5	+20	+30
Curing Time Dry Holes		5 h	1 h	20 min	10 min
Curing Time Wet Holes		10 h	2 h	40 min	20 min

1) Concrete Temperature



Performance in Concrete

Limit State Design

TENSION							SHEAR			
Threaded Rod Size	Hole Size (mm)	Embed Depth (mm)	Concrete 32MPa	Design Steel Capacity			Concrete 32MPa	Design Steel Capacity		
			Design Capacity ϕN_A (kN)	Class 5.8 ϕN_{tr} (kN)	Class 8.8 ϕN_{tr} (kN)	(A4-70) 316 SS ϕN_{tr} (kN)	Design Capacity ϕV_A (kN)	Class 5.8 ϕV_t (kN)	Class 8.8 ϕV_t (kN)	(A4-70) 316 SS ϕV_t (kN)
M8	10	80	14.2	15.2	23.4	17.2	24.1	9.0	13.9	11.3
M10	12	90	20.0	24.1	37.1	27.2	40.0	14.3	22.0	17.9
M12	14	110	29.4	35.1	54.0	39.5	58.7	20.8	32.0	26.0
M16	18	125	44.5	65.3	100.5	73.6	89.0	39.0	60.0	48.4
M20	22	170	71.8	101.9	162.7	114.9	143.7	60.9	97.2	75.5
M24	26	210	106.5	146.8	234.4	165.6	213.0	87.6	139.9	108.7

พุกเคมีไอคอน ขนาด M8 ใช้กับสตัทเหล็ก เกรด 5.8

ค่าใช้งานจริง

Tension (แรงดึง) รับได้ประมาณ 1.52 ตัน

Shear (แรงเฉือน) รับได้ประมาณ 900 กิโลกรัม

***ใช้ดอกสว่านขนาด 10 มิลลิเมตร

***เจาะรูลึก 80 มิลลิเมตร ในการติดตั้ง



สอบถามเพิ่มเติมได้ที่ 081-710-8745 ครับ
LINE : Akechaiss



ICCONS®

QUARTZ SULE



Key Features



Ideal overhead



High load strength



20 minute rapid cure



Ideal for threaded studs



Suitable for wet holes

Key Features do not include all approvals - see product Technical Data Sheet for all approvals and characteristics related to this product

**ANCHOR
ARMOUR**

ChemSelect

CAPSULES

www.iccons.com.au | 33



ChemSelect

VDP-Quartz™

VDP-Q



ICCONS® VDP-Q Capsules are high performing capsules. Zero wastage, Fast Installation, Superior Performance and unmatched Cure Times for almost instant loading are just some of the VDP-Q benefits. Fast 20min cure at 20°C dry concrete.

USABILITY

- Under Static Load.
- Under Vibratory Load.
- Suitable for Overhead Installation.

FEATURES

- ETA Assessment
- AS 5216 Compliant
- Load Performance High
- Working Time Unlimited
- Curing Time 20 mins
- Wet Holes
- Overhead
- Threaded Studs



VDP-Q M8



VDP-Q M10



VDP-Q M12

VDP-Quartz

Fully Recyclable Packaging - Zero Wastage

Part No.	Description	Drill Diameter (mm)	Min. Anchor Embedment (mm)	Max. Fixture Thickness (mm)	 qty	 qty
VDP-Q M8	8mm Glass Capsule to suit M8 Stud	10	80	17	10	500
VDP-Q M10	10mm Glass Capsule to suit M10 Stud	12	90	28	10	500
VDP-Q M12	12mm Glass Capsule to suit M12 Stud	14	110	36	10	200
VDP-Q M16	16mm Glass Capsule to suit M16 Stud	18	125	42	10	200
VDP-Q M20	20mm Glass Capsule to suit M20 Stud	22	170	72	10	100
VDP-Q M24	24mm Glass Capsule to suit M24 Stud	26	210	66	6	60

CAPSULES



1-2-3-SAFETY

1

VOLUME CONTROL

Factory Pre-measured Components guarantee the correct composition and volume of capsule components. After installation of the rod, the overflow of anchor components provides visual confirmation of a 100% filled hole

2

RESIN CHECK

The transparent glass capsule allows the installer to check the quality of the resin. Usability is when the resin runs easily inside then capsule.

3

ULTRA CLEAN

During the installation of the anchor rod the quartz and glass components of the capsule effectively scrape the wall of the pre-drilled hole, removing any residual drill dust remaining after cleaning drill dust. The Ultra-Cleaning function results in an excellent adhesion between the Anchor Rod and surrounding Concrete.



VDP-Q M16



VDP-Q M20



VDP-Q M24

VDP-Quartz CURING TIMES

20 minutes Curing Time

Concrete Temperature	-5°C	+5°C	+20°C	+30°C
Curing Time Dry Holes	5 hours	1 hour	20 min	10 min
Curing Time Dry Holes	10 hours	2 hours	40 min	20 min



ChemSelect

CPS Threaded Studs

ICCONS® Class 5.8 and 316 SS Threaded Adhesive Studs are suitable for fastening in concrete and masonry in combination with ICCONS® ChemSelect adhesive injection range. Studs range from M8 to M24 and are manufactured to industry standard lengths. Driver bit for use with glass capsules included in each box.



**Class 5.8
Carbon Steel
Zinc Clear**

**Class 5.8
Carbon Steel
Galvanised**

**Stainless
Steel
316 A4**

Threaded Adhesive Studs

ZINC YELLOW Part No.	GALVANISED Part No.	316SS Part No.	Description	Drill Diameter (mm)	Standard Embed. Depth (mm)	Max. Fixture Thickness (mm)	Head Type	Metric Thread (M)	 qty	 qty
CPS08110	CPS08110G	CPS08110SS	M8 x 110mm	10	80	17	Hex	M8	10	200
CPS10130	CPS10130G	CPS10130SS	M10 x 130mm	12	90	28	Hex	M10	10	200
CPS12160	CPS12160G	CPS12160SS	M12 x 160mm	14	110	36	Hex	M12	10	100
CPS16190	CPS16190G	CPS16190SS	M16 x 190mm	18	125	42	Hex	M16	10	50
CPS20260	CPS20260G	CPS20260SS	M20 x 260mm	*24	170	72	Hex	M20	5	25
CPS24300	CPS24300G	CPS24300SS	M24 x 300mm	*28	210	66	Hex	M24	5	20

For extreme corrosive environments HCR (High Corrosion Resistant) Stainless Steel Studs are also available on request - lead times may apply

*Drill diameter for use with BIS-PE GEN3, BIS-HY GEN2 injection & VDP-Q capsules is 22mm for M20 stud. Refer page 57 for further information.

*Drill diameter for use with VDP-Q capsules is 26mm for M24 stud.

Note: all information based on use with ICCONS® adhesive systems only.

ACCESSORIES

**ANCHOR
ARMOUR**



พุกเคมีแบบปั่น

วิธีการติดตั้งพุกเคมีแบบปั่น?



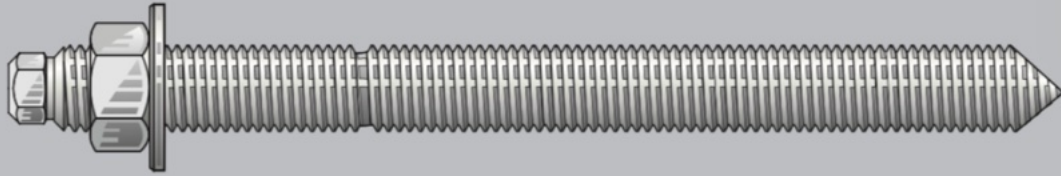
ICCONS®
Serious Connections

www.iccons.co.th

081-710-8745

ผู้นำเข้า และจัดจำหน่าย พุกเคมี น้ำยาฉีพอกซีสำหรับเจาะ-เสียบเหล็ก สกรูคอนกรีต
และสกรูสำหรับติดกับบานกรอบหน้าต่างอลูมิเนียม และสำหรับบานติดกับ Facade

ทุกเคมีไอคอน M8 รับแรงได้สูงสุด 3 ตัน ใช้งานจริงได้ 1.5 ตัน



ETA Assessed

Option 7 for non-cracked concrete - 34% Higher Loads in Concrete C50/60

Emission Rated

A+ Rating

Option 7 for non-cracked concrete C20/25 - C50/60 Higher loads



Capsule Range

Includes M14 - M27
Includes 1,5 x Embedment Depth in Steel 8.8

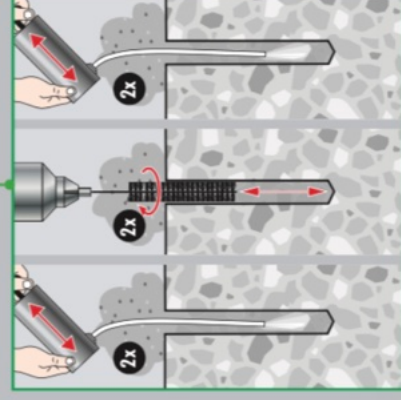
Smaller Holes

Faster Drilling
Reduced Chance of hitting Rebar

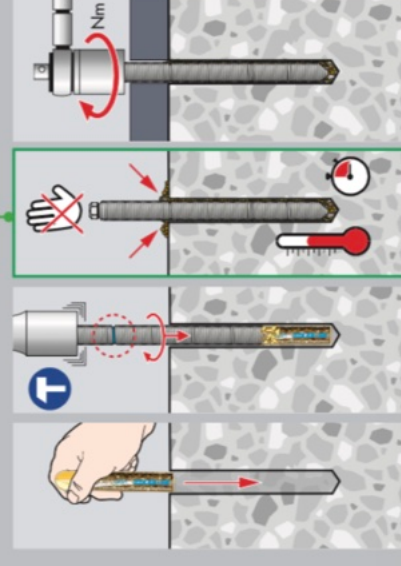


Simplified Cleaning

NEW: Blow/Brush/Blow
OLD: Blow/Brush/Blow/Brush



Fast Curing



1. ใช้ดอกสว่านขนาด 10 มม.
ความลึกของรูที่เจาะ 80 มม.

2. ทำความสะอาดรูที่เจาะ
ด้วยแปรงขัดและเครื่องเป่าฝุ่น

3. ใส่เคมีหลอดแก้ว ในรูที่เจาะไว้
ใช้ตัวต่อกับสว่านที่ให้มา
ปั่นกระแทกจนสตัทลงไปสู่รูเจาะ



VICTORIA - HEAD OFFICE

383 Frankston-Dandenong Road Dandenong South
Victoria 3175

P: 03 9706 4344

F: 03 9768 3329

E: sales@iccons.com.au

NSW Branch

Unit A, 17 Seddon Street, Bankstown,
New South Wales, 2200

P: 02 9791 6869

F: 02 9790 8404

E: salesnsw@iccons.com.au

QLD Branch

42-44 Nealdon Drive, Meadowbrook,
Queensland, 4131

P: 07 3200 6455

F: 07 3299 7548

E: salesqld@iccons.com.au

S.A Branch

29-31 Weaver Street, Edwardstown,
South Australia, 5039

P: 08 8234 5535

F: 08 8354 4689

E: salessa@iccons.com.au

W.A. Branch

90 Christable Way, Landsdale,
Western Australia, 6065

P: 08 6305 0008

F: 08 6305 0011

E: saleswa@iccons.com.au

NORTHERN TERRITORY

Unit 1, 14 Menmuir Street, Winnellie,
Northern Territory 0820

P: 08 8947 2758

F: 08 8947 2758

E: salesnt@iccons.com.au

NEW ZEALAND

Sesto Fasteners
5E Piermark Drive, Rosedale, Auckland,
New Zealand 0630

P: +64 027 526 6403

E: sestofasteners@gmail.com

ICCONS (Thailand) Co. Ltd.

55 Phetkasem 62/3, Bangkhuae,
Bangkok 0160

P: + 66 2 801 0764

F: + 66 2 801 0764

M: + 66 8 1 710 8745

E: icconsthailand@hotmail.com