

EpconG5

High-Strength Epoxy Adhesive

You don't have to waste your valuable time waiting for longer cure times or waste money disposing of dried up nozzles. The Epcon G5 is the solution to your problem.



Product Advantages

- ✓ **HIGH PERFORMANCE EPOXY:** Shallower embedment depth required
- ✓ **FIRE RESISTANT STRUCTURES:** Tested up to 4 hours FRP by Warrington (BS 476 Part 20)
- ✓ **EXTENDED WORKING TIME:** 15-minute nozzle life at 20°C, 2-hour cure time at 20°C
- ✓ **COST SAVINGS:** Less delay of work, Less nozzles used
- ✓ **LOW SHRINKAGE:** Suitable for cored and oversized holes
- ✓ **NON-OFFENSIVE ODOR:** Virtually odorless, can be used indoors
- ✓ **WATER INSENSITIVITY:** Works in damp holes and underwater applications

Epoxy Chemical

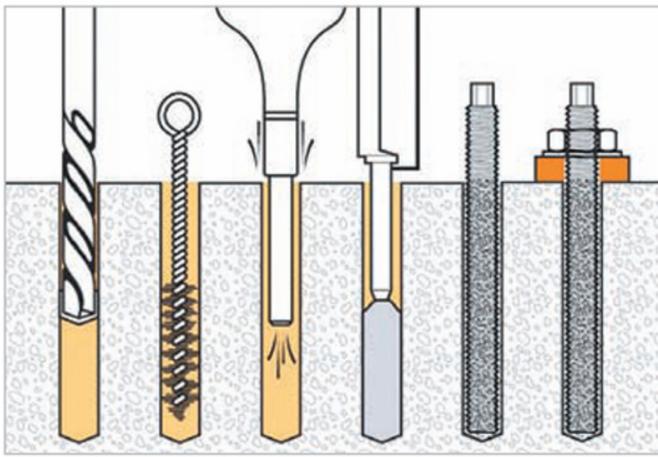
- Two component, 100% solids (containing no solvents), non-sagpaste, insensitive to moisture, grey in colour
- Meets ASTM C881-99, Type IV, Grade 3 with the exception of gel time
- Shrinkage during cure per ASTM D2566: 0.00004 in./in
- Compressive strength, ASTM D695: 71 MPa minimum
- Heat Deflection Temperature: 62 C minimum
- Water solubility: None
- Shelf Life: Best if used within 18 months

Packaging Specifications

- Disposable, self-contained 650mL cartridge system capable of dispensing both epoxy components in the proper mixing ratio.
- Epoxy components dispensed through a static mixing nozzle that thoroughly mixes the material and places the epoxy at the base of the pre-drilled hole.
- Cartridge markings: Include manufacturer's name, batch number and best-used-by date, mix ratio by volume, ANSI hazard classification, and appropriate ANSI handling precautions.



Pemasangan



1. Bor lubang dengan diameter dan kedalaman yang direkomendasikan
2. Bersihkan lubang dengan sikat dan pompa tangan minimal dua kali
3. Pasangkan nozzle pada cartridge. Keluarkan sejumlah bahan kimia hingga tercampur dengan baik. Injeksi mulai dari dasar lubang sampai lubang terisi 50%.
4. Masukkan angkur *stud* / rebar dengan gerakan memutar hingga menyentuh dasar lubang.
5. Biarkan EPCON G5 mengering dalam waktu yang telah ditentukan sebelum pembebanan.

Pilihan Produk - EPCON G5 Perekat Epoxy Kekuatan Tinggi



No. Barang	Deskripsi	Jumlah Order
Ukuran Kemasan dan Aksesoris		
8A-G5VV	EPCON G5 (650ml) + 1 E55 Nozzle	6
8A-E55V	E55 Nozzle	24
8A-E102	E102 Dispensing Tool	1
8A-E202	E202 Pneumatic Dispensing Tool	1

EPCON G5 - Beban Desain Indikasi pada Beton - Chemset™ Stud Angkur

Ulir Ø	Lubang Ø (mm)	Kedalaman Penanaman (mm)	Torsi (Nm)	Jarak Antar Angkur (mm)	Jarak ke Tepi (mm)	Beban Geser (kN)*	Beban Tarik (kN)*
M8	10	80	10	160	80	9.5	13.2
M10	12	90	20	180	90	15.0	20.9
M12	14	110	30	220	110	21.9	30.3
M16	18	125	60	250	125	39.2	54.4
M20	25	170	120	340	170	61.2	84.9
M24	28	210	200	420	210	88.1	122.4
M30	35	280	400	560	280	130.5	181.2

Beban desain indikasi (kN) dengan ChemSet™ Stud Grade 5.8 pada beton 30N/mm²

* Untuk informasi tambahan atau penjelasan data teknis, mengacu pada Panduan Desain Ramset™

EPCON G5 - Beban Desain Indikasi Pada Beton - Rebar (FE460)

Ulir D	Lubang Ø (mm)	Kedalaman Penanaman (mm)	Jarak Antar Angkur (mm)	Jarak ke Tepi (mm)	Beban Geser (kN)*	Beban Tarik (kN)*
T8	12	80	160	80	11.1	15.4
T10	13	100	180	90	17.3	24.1
T12	15	120	220	110	25.0	34.7
T13	16	130	220	110	29.3	40.7
T16	20	160	250	170	44.4	61.7
T20	25	200	350	170	69.4	96.4
T25	30	250	420	210	108.4	150.6
T28	35	280	540	270	136.0	188.9
T32	40	320	600	300	177.6	246.7
T40	50	400	800	400	277.5	385.4

Beban desain indikasi (kN) dengan Rebar FE 460 pada beton 30N/mm²

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