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Fixing Test Report

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TESTING COMPANY, FIXINGS LTD, STROURBRIDGE

| | | | |
|---|---|--|--|
| Site test report | Tensile loading - CFA compliant | Date of test | 28 Jun 2022 10:11 |
| Report code | VJTASH TR VJT 22-Jun-22 RR22062022AG | | |
| Client details | | Site details | Witnessed by |
| Advanced Glass LtdNo 6 Watling Close Sketchley Meadows Industrial Estate Hinckley LE10 3EZ | | Brent Cross StationBrent Terrace London NW2 1LN | Ian Harvey (Avanced Glass) Suresh Kandapillai (VFL) Vince Kenny (Mace) |
| Test conducted by | R. Rett | | |
| Fixing type | (05100290) CAS5 M12 x 160 A4/70 SS | | |
| Resin type | (06000075) V420+ v3 Hybrid Injection Mortar 420ml | | |
| Base material | Concrete C40/50 | | |
| Proof/ultimate/prelim | Preliminary | | |
| Hole diameter (mm) | 14 | Edge distance (mm) | 55 |
| Hole depth (mm) | 135 | Anchor centres (mm) | >200 |
| Recommended embedment depth (mm) | 110 | Actual embedment depth (mm) | 130 |
| Temperature when installed (°C) | 18 | Curing time (if applicable) | 1 hour |
| Test Equipment | Model No | Serial No | |
| Staht Digital | Staht | 205 | |
| Gauge No | Gauge Range (kN) | Date of calibration | |
| 205 | 0-60 | 06 June 2022 | |

Additional comments (indicate any deviations from the standard test method here):

Copy of supplier's/manufacturer's recommended installation procedure available on request. Test requested by Matthew Brookes - 01455 856028 Concrete C40/50 . Thickness :225mm For the design the complete assessment ETA-17/0570, issue date 7/05/2021 has to be considered. Requested to test M12 A4 Studs + V420+v3 injection mortar into Concrete with 55 mm edge distance, customer agreed to observed principals of BS8539:2012+A1:2021 - Annex B.2.3.1 tests for allowable resistance – simplified approach 'Preliminary Test'. All anchors held the load of 27.4kN as requested. Held and observed for 30 seconds. No movement detected. Test carried out at North and South Concourse Balustrate. Tests have been conducted to meet specific customer requirements that may not be fully compliant with the guidance note. All anchors were sacrificial and installed only for test purpose. Customer requested to test 3 anchors. Tests carried out by approved CFA Tester Rafael Rett

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| Test no | Sample info | Prel. (kN) | Ultimate (kN) | Comments (1st movement / failure mode) |
|---------|-------------|------------|---------------|--|
| 1 | 34 | 25 | | COMMENTSSS |
| 2 | 27 | 25 | | COMMENTSSS2 |
| 3 | 30 | 25 | | COMMENTSSS |