



BAR CHAIR CERTIFICATION



Compressive load testing on bar chairs in reinforced concrete as carried out by Bureau Veritas.

Compression Test Results

Test Specification: AS/NZS 2425-2015 Section 6

Sample Description: X3 Plastic Chair Types For Reinforced Concrete: 25/40, 50/65, 75/90

Product Code: AS/NZS 2425-2015 Table 1: Strength Rating 120kg

Crosshead Speed: 5mm/Min

Load Hold Time: 60 Seconds (Preload 20kgf)

Test Temperature: 30 Deg C

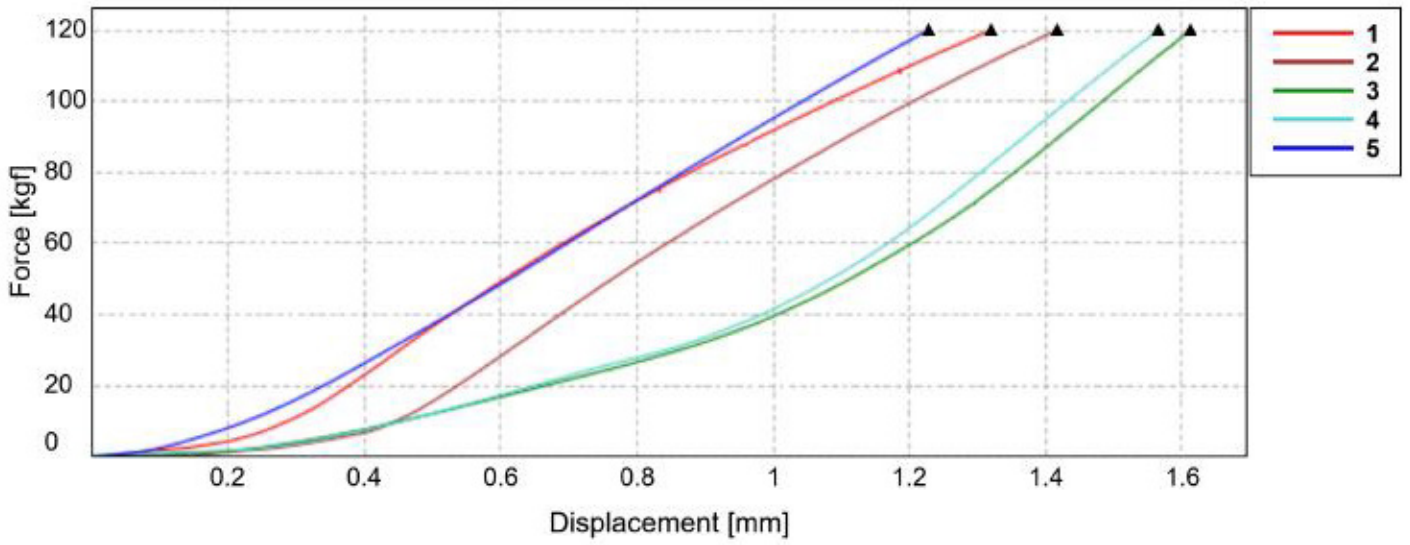
Sample ID / Specimen No	Compressive Force (Kgf)	Deflection Under Load (mm)	Permanent Set (mm)	Observations
Plastic Chair 25/40-A (1)	120	0.08	0.05	No Cracks were evident
Plastic Chair 25/40-B (2)	120	0.10	0.07	No Cracks were evident
Plastic Chair 50/65-A (3)	120	0.12	0.08	No Cracks were evident
Plastic Chair 50/65-B (4)	120	0.15	0.10	No Cracks were evident
Plastic Chair 75/90-A (5)	120	0.22	0.16	No Cracks were evident
Plastic Chair 75/90-B (6)	120	0.20	0.15	No Cracks were evident
Requirements	120	3.0mm max	2.0mm max	No cracking

Rally bar chairs fully meet the specifications of AS2425 for strength grade 120kg.

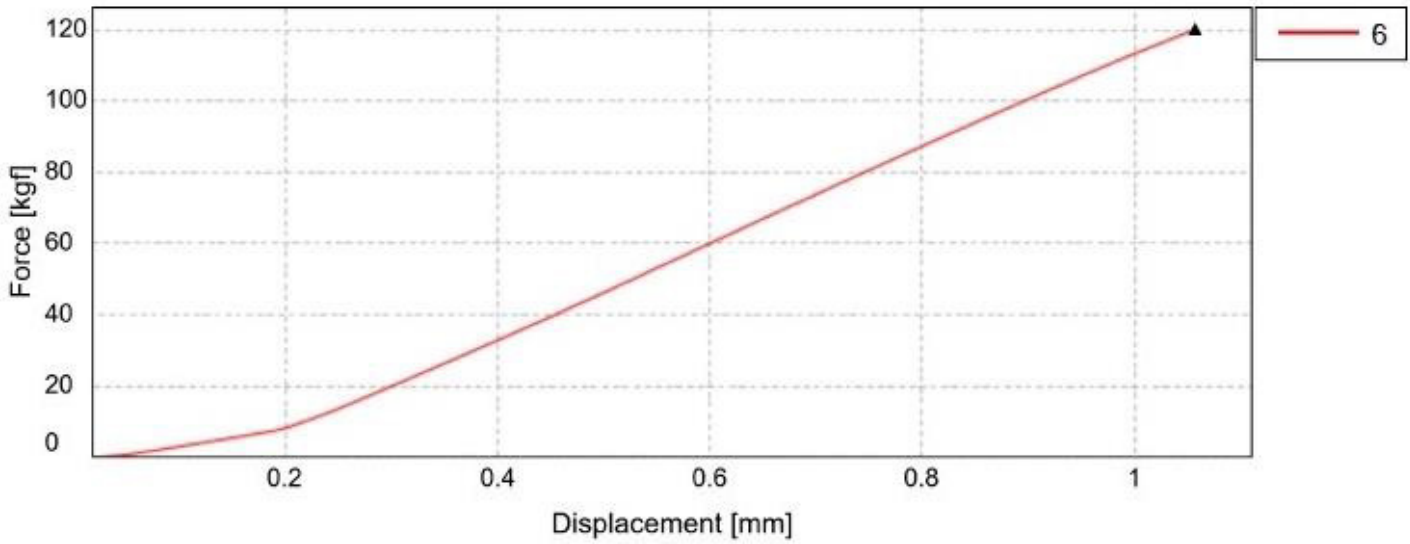




Specimen 1 to 5



Graph 1: Showing proof load samples 1-5.



Graph 2: Showing proof load sample 6.



Fig 1: Showing load test / deflection set up.



Fig 2: Showing deflection measurement under load.