

MATERIALS TECHNICAL SPECIFICATION

Thor NTC Grout for Crack Stitching, Masonry Reinforcement and Specific Wall Tie Applications.

Thor NTC Grout is a thixotropic cementitious grout and incorporates a special blend of cement and fillers, 10% silica fume and additives to form a cementitious grout which is highly durable, low chloride content, low porosity, aluminium and metallic expansion agent free and is a one component cement powder which only requires the addition of water to form a thixotropic cementitious grout. The 10% silica fume provides added density and durability for 100 year design life.

The combination of Thor Helical reinforcement bars with the Thor NTC Grout provides a stabilisation system sympathetic to active structures such as masonry. Thor NTC grout allows a degree of flexibility compensating for natural expansion and contraction. Higher strength grouts, polyester and epoxy adhesives may restrict natural masonry movement and induce further cracking within adjacent areas.

Experience has shown that cement based grouts work most effectively with metal reinforcement. Polyester or epoxy and sand grouts are also used in some circumstances but have a mismatch of thermal and moisture movement characteristics, and Young's modulus with metals, which makes them less effective.

PHYSICAL PROPERTIES	COMPREHENSIVE STRENGTH
24 Hours	20 MPa
7 Days	60 MPa
28 Days	80 MPa

Thor NTC Grout Tubs Indicative Usage Rates

Thor NTC 1.5 litre grout tub	Approximate usage = 5 lineal metres
Thor NTC 3.0 litre grout tub	Approximate usage = 10 lineal metres
Thor NTC 4.5 litre grout tub	Approximate usage = 15 lineal metres
Thor NTC 12.0 litre grout tub	Approximate usage = 40 lineal metres

Thor NTC Grout - 1.5, 3.0, 4.5 & 12 Litre Tubs

ThorBond Water Resistant Concrete Bonding Agent and Additive - 500ml, 5L & 20L



Data Sheets and MSDS available upon request

THOR HELICAL AUSTRALIA ALSO SUPPLY A RANGE OF QUALITY ADHESIVES - SEALANTS - EPOXIES