



SUMMARY OF MORTAR PROPERTIES USING TIGRE CEMENTS

Standard mortars

1:3 by weight, CEN sand, w/c = 0.6

Tigre Rapido with 0.05% citric acid

3 hour strength	0.93 MPa
91 day strength	10.79 MPa

Tigre NHL-5, no retarder

24 hour strength	0.66 MPa
7 day strength	1.52 MPa
28 day strength	3.30 MPa
91 day strength	7.16 MPa

Mortar for cast elements

1:1 by volume, Tigre Rapido, carbonate sand (0 - 4 mm), w/c = 0.54, 0.2% citric acid

Flow	19.5 cm
Workable life of fresh mortar	25 minutes
28 day flexure strength	1.61 MPa
28 day compressive strength	5.82 MPa
28 day water absorption coeff	6.71 kg/m ² /hr ^{0.5}



Mortar for renders

1:2.5 by volume, Tigre NHL-5, carbonate sand (0 - 4 mm), w/c = 0.8

Flow	15.8 cm
Workable life of fresh mortar	55 minutes
28 day flexure strength	1.18 MPa
28 day compressive strength	2.53 MPa
28 day water absorption coeff	7.70 kg/m ² /hr ^{0.5}

**Shrinkage is for Standard mortars cured 3 days
in water before exposure to 65% rh**

