

Organosol 550 DT™

Rock Consolidation & Stabilization

Organosol 550 DT™ is a fast reacting, non-expanding injection resin, designed specifically for stabilizing and consolidating loose, fractured and delaminated strata in mining environments.

SPECIFICATIONS

- 1:1 volumetric mix ratio
- Good mixing without marbling
- Non-expanding, safe for weak strata and soils
- Reacts under water without dilution, expansion or foaming
- Low exothermic reaction temperature: < 230°F
- High bond strength > 600psi
- Final compressive strength approx. 5000 psi
- Maintains flexural integrity and high flexural strength
- Fire resistant, Class B2 per DIN 4102 Part 1
- Phthalate free, REACH compliant



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PROPERTIES

A-Component	Value	Method
Density at 77°F	1.48 g/cm ³	EN ISO 2811
Viscosity at 77°F	Approx.. 230 cps	EN ISO 3219
B-Component		
Density at 77°F	1.16 g/cm ³	EN ISO 2811
Viscosity at 77°F	Approx. 110 cps	EN ISO 3219
Mixed Material		
Mixing ratio by volume	1:1	
Mixing ratio by mass	1.00 : 0.78	(lbs.)
Static mixer	24-36 plate levels minimum	
Cured Material		
Gel time at 74°F	Approx. 2'30"	Cup test
Expansion rate	Zero	Internal test
Reaction Exotherm	<230°F	Internal test
Bond strength to dry concrete	>600 psi	EN ISO 4624
Compressive Strength, lab samples at 68°F		EN 12190
Pure resin – 15 min	Approx. 2900 psi	
Pure resin – 30 min	Approx. 3600 psi	
Pure resin – 24 hrs.	Approx. 4900 psi	
Resin/gravel – 24 hrs.	Approx. 3500 psi	
Resin/water filled gravel – 24 hrs.	Approx. 3000 psi	
Flexural strength – 24 hrs.	Approx. 3500 psi	
*All tests made under laboratory conditions according to mentioned standards to the current product standard and testing methods. Grace reserves the right to change data from test results pending updated informaMon.		

PACKAGING & HANDLING

- 10.5 gallon units:
- A-Component in plastic pail
- B-Component in metal drum
- Sensitive to moisture and frost
- Store in original closed packaging
- Storage temperatures: 41-86°F
- Shelf-life at 68°F: 12 months
- Once opened, useful life is greatly reduced and should be used as quickly as possible