CODES & STANDARDS FOR “GROUTING”

Following are key codes & standards to remember for Civil Estimators to prepare the tender/bid proposal in correct manner.

Codes & Standards are published documents that establish specifications and procedures designed to ensure the reliability of the materials, products, methods, and/or services use in construction industry.

These Codes & Standards also make it easier to understand and compare competing products.

**AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)**


ASTM C579 : Standard Test Methods for Compressive Strength of Chemical-Resistant Mortars, Grouts, Monolithic Surfacings and Polymer Concretes

ASTM C 580 : Standard Test Method for Flexural Strength and Modulus of Elasticity of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concrete

ASTM C827 : Standard Test Method for Change in Height at Early Ages of Cylindrical Specimens of Cementitious Mixtures

ASTM C939 : Standard Test Method for Flow of Grout for Preplaced-Aggregate Concrete (Flow Cone Method)


ASTM A36/A36M : Standard Specification for Carbon Structural Steel

ASTM C531 : Test Method for Linear Shrinkage and Coefficient of Thermal Expansion of Chemical-Resistant Mortars, Grouts, Monolithic Surfacing and Polymer Concretes

ASTM C882/C882M : Test Method for Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear

ASTM C1181 : Test Methods for Compressive Creep of Chemical - Resistant Polymer Machinery Grouts


**BRITISH STANDARDS INSTITUTE (BSI)**

BS 1881-5 : Methods of Testing Concrete part 5: Methods of Testing Hardened Concrete for other than Strength

BS 6319 : Testing of resin compositions for use in construction

BS EN 480 : Admixtures for concrete, Mortar and Grout – Test Methods
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>BS EN 12350-1</td>
<td>Testing fresh concrete</td>
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<tr>
<td>BS EN 12390-1</td>
<td>Testing hardened concrete</td>
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<tr>
<td>BS EN 12504-1</td>
<td>Testing Concrete in Structures</td>
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<tr>
<td>BS EN ISO 3521</td>
<td>Plastics - Unsaturated Polyester and Epoxy Resins - Determination of Overall Volume Shrinkage</td>
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<tr>
<td>BS 2782-6</td>
<td>Methods of Testing Plastics Part 6: Dimensional Properties Method</td>
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<tr>
<td>644A</td>
<td>Determination of Overall Volume - Shrinkage of Unsaturated Polyester and Epoxy Resins</td>
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