

QC Concrete Grouting Checklist

Section 03.60.00

<p>Specified grout type and pre-approved mix design on site match current submittal revision and manufacturer data sheets.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Bagged grout stored off ground, protected from moisture, and used within manufacturer's stated shelf life; record batch numbers and expiry dates.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> FTQ ✓ OPN NA 📷 ☰ </div>
<p>Receiving substrate cleaned of laitance, oil, rust, and loose material and brought to saturated-surface-dry (SSD) condition immediately before grouting.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Forms or grout dams sealed tight with no gaps to prevent loss of grout or leakage during placement; visual inspection of all seams completed.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> FTQ QC ✓ NA 📷 ☰ </div>
<p>Anchor bolts, base plates, or machinery foundations set to final elevation and alignment with required clearance for grout flow prior to mixing.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Measured water content added to grout does not exceed manufacturer's maximum water-to-grout ratio; record actual water volume per batch.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Grout mixed for manufacturer-specified duration and rpm in clean mixer; no additional water introduced after initial mixing.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> FTQ ✓ OPN NA 📷 ☰ </div>
<p>Grout and substrate temperatures maintained within specified range (typically 45 °F–90 °F) during mixing and placement; record temperatures.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> FTQ ✓ OPN NA 📷 ☰ </div>
<p>Continuous, non-segregated grout placement completed within product's stated working time/pot life; placement method provides steady head and flow path.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Vents or head boxes installed to allow entrapped air to escape and signal complete fill; grout observed at vent discharge before closure.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Minimum grout thickness beneath base plates or between elements equals or exceeds specification (e.g., 1 inch) at all measured points.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Grout surface finished flush or as detailed, avoiding shrinkage voids along plate edges; excess grout removed without disturbing placement.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> FTQ QC ✓ NA 📷 ☰ </div>
<p>Moist-cure, wet burlap, or approved curing compound applied immediately after initial set and maintained for specified duration (≥3 days).</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Compressive strength test cubes/cylinders cast, cured, and tested per ASTM C109/C942 (or project standard) with breaks meeting specified values before load application.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>
<p>Finished grout exhibits no cracking, voids, or debonding after curing period; visual survey and hammer tap sounding performed around perimeter.</p> <p>Observations</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> ✓ QC OPN NA 📷 ☰ </div>