

台州市城乡规划设计研究院有限公司

技术联系单

建筑甲级A233000766
市政甲级A233000766
规划甲级自资规甲字21330077

编号： 003

修改日期： 2022. 09

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|----|----------|--|----------------------|-----------------------|-----------------------|------|---------------|------|------|-----|--|------------|--|----|------|--|------|--|------|--|------|--|---|-----|--|----------------------|--|-----------------------|--|---------------|--|---|-----|--|--------|--|-------|--|---|------|--|----------|--|----------|--|---|-------|--|-----------|--|------------|--|---|--------|-----|--------|--|--------|--|-----|--------|--|--------|--|---|----------|-----|---------|--|---------|--|--|-----|---------|--|---------|--|---|--------|--|---------------|--|-------|--|---------------|--|---|----------|--|--------|--|--------|--|
| | | 项目名称 | | 台州1号公路（临海示范段）（市政配套设计） | | 子项 | | 照明工程 | | 专业 | | 结构 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 主送 | | 台州市交通投资集团有限公司 | | 抄送 | | 相关部门 | | 设计号 | | 2022-ZL-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 设计变更原因： <input checked="" type="checkbox"/> 设计修改 <input type="checkbox"/> 业主要求 <input type="checkbox"/> 施工要求 <input type="checkbox"/> 施工图审查 <input type="checkbox"/> 其他： | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 设计变更是否涉及其它专业： <input checked="" type="checkbox"/> 不涉及 <input type="checkbox"/> 道路 <input type="checkbox"/> 交通 <input type="checkbox"/> 桥涵 <input type="checkbox"/> 给排水 <input type="checkbox"/> 结构 <input type="checkbox"/> 电气 <input type="checkbox"/> 地道 <input type="checkbox"/> 园林 <input type="checkbox"/> 建筑 <input type="checkbox"/> 暖通 <input type="checkbox"/> 其它 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 根据现场实际及业主要求，对本工程设计内容做如下调整： 1.原设计白沙湾防浪墙装饰栏板材质为UHPC混凝土，现材质更换为HPC混凝土，并进一步修改和明确HPC混凝土装饰栏板的参数。 2.HPC混凝土装饰栏板的参数如下： | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table><tr><td>序号</td><td colspan="2">性能要求</td><td colspan="2">标准要求</td><td colspan="2">设计标准</td><td colspan="2">依据标准</td></tr><tr><td>1</td><td colspan="2">抗冻性</td><td colspan="2">经25次冻融循环，无起层、剥落等破坏现象</td><td colspan="2">经100次冻融循环，无起层、剥落等破坏现象</td><td colspan="2" rowspan="5">JC/T1057-2007</td></tr><tr><td>2</td><td colspan="2">吸水率</td><td colspan="2">≤14.0%</td><td colspan="2">≤5.0%</td></tr><tr><td>3</td><td colspan="2">体积密度</td><td colspan="2">≥1.8g/m3</td><td colspan="2">≥2.0g/m3</td></tr><tr><td>4</td><td colspan="2">抗冲击强度</td><td colspan="2">≥8.0kJ/m2</td><td colspan="2">≥12.0kJ/m2</td></tr><tr><td rowspan="2">5</td><td rowspan="2">抗弯极限强度</td><td>平均值</td><td colspan="2">≥18MPa</td><td colspan="2">≥20MPa</td></tr><tr><td>最小值</td><td colspan="2">≥15MPa</td><td colspan="2">≥18MPa</td></tr><tr><td rowspan="2">6</td><td rowspan="2">抗弯比例极限强度</td><td>平均值</td><td colspan="2">≥7.0MPa</td><td colspan="2">≥9.0MPa</td><td rowspan="2"></td></tr><tr><td>最小值</td><td colspan="2">≥6.0MPa</td><td colspan="2">≥8.0MPa</td></tr><tr><td>7</td><td colspan="2">抗拉极限强度</td><td colspan="2">喷射工艺 一等品≥5MPa</td><td colspan="2">≥8MPa</td><td colspan="2" rowspan="2">JCIT 940-2004</td></tr><tr><td>8</td><td colspan="2">抗压强度（面外）</td><td colspan="2">≥40MPa</td><td colspan="2">≥60MPa</td></tr></table> | | | | | | | | | | | | 序号 | 性能要求 | | 标准要求 | | 设计标准 | | 依据标准 | | 1 | 抗冻性 | | 经25次冻融循环，无起层、剥落等破坏现象 | | 经100次冻融循环，无起层、剥落等破坏现象 | | JC/T1057-2007 | | 2 | 吸水率 | | ≤14.0% | | ≤5.0% | | 3 | 体积密度 | | ≥1.8g/m3 | | ≥2.0g/m3 | | 4 | 抗冲击强度 | | ≥8.0kJ/m2 | | ≥12.0kJ/m2 | | 5 | 抗弯极限强度 | 平均值 | ≥18MPa | | ≥20MPa | | 最小值 | ≥15MPa | | ≥18MPa | | 6 | 抗弯比例极限强度 | 平均值 | ≥7.0MPa | | ≥9.0MPa | | | 最小值 | ≥6.0MPa | | ≥8.0MPa | | 7 | 抗拉极限强度 | | 喷射工艺 一等品≥5MPa | | ≥8MPa | | JCIT 940-2004 | | 8 | 抗压强度（面外） | | ≥40MPa | | ≥60MPa | |
| 序号 | 性能要求 | | 标准要求 | | 设计标准 | | 依据标准 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 抗冻性 | | 经25次冻融循环，无起层、剥落等破坏现象 | | 经100次冻融循环，无起层、剥落等破坏现象 | | JC/T1057-2007 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 吸水率 | | ≤14.0% | | ≤5.0% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 体积密度 | | ≥1.8g/m3 | | ≥2.0g/m3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 抗冲击强度 | | ≥8.0kJ/m2 | | ≥12.0kJ/m2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 抗弯极限强度 | 平均值 | ≥18MPa | | ≥20MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 最小值 | ≥15MPa | | ≥18MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 抗弯比例极限强度 | 平均值 | ≥7.0MPa | | ≥9.0MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 最小值 | ≥6.0MPa | | ≥8.0MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 抗拉极限强度 | | 喷射工艺 一等品≥5MPa | | ≥8MPa | | JCIT 940-2004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 抗压强度（面外） | | ≥40MPa | | ≥60MPa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 注：本表数据参考JC/T1057-2007《玻璃纤维增强水泥外墙板》、JCIT940-2004《玻璃纤维增强水泥（GRC）装饰制品》 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 3.余以下空白。 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 审定 | | | 审核 | | | 项目负责 | | | 专业负责 | | | 校对 | | | 经办 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |