Logotipo TQS

**Resumo de plantas e materiais - Edifício ORLA CENTRO CULTURAL**

SCHURING & SCHURING LTDA  
AV.15 DE NOVEMBRO, 489 PORTO 2º. ANDAR  
21/01/2019 14:08:10

**Conteúdo**

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**Resumo de materiais**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Fck |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | MPa |
| Pilares | - | - | - | - | - | - | - | - | - | - | - | - | 1.4 | 233 | 25 |
| Vigas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Lajes | - | 2428 | 931 | 1656 | 2909 | 75 | 264 | - | - | - | - | 8263 | 110.4 | 552 | 25 |
| Fundações | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Outros | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | - | 2428 | 931 | 1656 | 2909 | 75 | 264 | - | - | - | - | 8263 | 111.8 | 785 | - |
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| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Fck |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | MPa |
| Pilares | - | - | - | - | - | - | - | - | - | - | - | - | 1.2 | 207 | 25 |
| Vigas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Lajes | - | 2495 | 391 | 2217 | 3237 | 845 | 264 | - | - | - | - | 9449 | 113.2 | 566 | 25 |
| Fundações | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Outros | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | - | 2495 | 391 | 2217 | 3237 | 845 | 264 | - | - | - | - | 9449 | 114.4 | 773 | - |
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| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Fck |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | MPa |
| Pilares | - | - | - | - | - | - | - | - | - | - | - | - | 1.3 | 215 | 25 |
| Vigas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Lajes | - | 806 | 366 | 1480 | 1337 | 958 | 323 | - | - | - | - | 5270 | 53.5 | 268 | 25 |
| Fundações | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Outros | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | - | 806 | 366 | 1480 | 1337 | 958 | 323 | - | - | - | - | 5270 | 54.8 | 483 | - |
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| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Fck |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | MPa |
| Pilares | - | - | - | - | - | - | - | - | - | - | - | - | 0.5 | 92 | 25 |
| Vigas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Lajes | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Fundações | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Outros | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | - | - | - | - | - | - | - | - | - | - | - | - | 0.5 | 92 | - |
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| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Fck |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | MPa |
| Pilares | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Vigas | 335 | - | - | 884 | - | - | - | - | - | - | - | 1219 | 27.5 | 275 | 25 |
| Lajes | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25 |
| Fundações | 29 | 402 | 354 | 730 | 373 | 135 | 101 | 49 | - | - | - | 2173 | 35.5 | 117 | 25 |
| Outros | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | 364 | 402 | 354 | 1614 | 373 | 135 | 101 | 49 | - | - | - | 3392 | 63.0 | 392 | - |
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| Bitola | 5.0 | 6.3 | 8.0 | 10.0 | 12.5 | 16.0 | 20.0 | 22.0 | 25.0 | 32.0 | 40.0 | Aço | Concreto | Forma | Área |
| - | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | kg | m3 | m2 | m2 |
| Piso 4: TERCEIRO | - | 2428 | 931 | 1656 | 2909 | 75 | 264 | - | - | - | - | 8263 | 112 | 785 | 549 |
| Piso 3: SEGUNDO | - | 2495 | 391 | 2217 | 3237 | 845 | 264 | - | - | - | - | 9449 | 114 | 773 | 564 |
| Piso 2: PRIMEIRO | - | 806 | 366 | 1480 | 1337 | 958 | 323 | - | - | - | - | 5270 | 55 | 483 | 268 |
| Piso 1: BALDRAME | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 92 | 0 |
| Piso 0: Fundacao | 364 | 402 | 354 | 1614 | 373 | 135 | 101 | 49 | - | - | - | 3392 | 63 | 392 | 55 |
| Cortinas | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totais | 364 | 6131 | 2042 | 6967 | 7856 | 2013 | 952 | 49 | - | - | - | 26374 | 345 | 2525 | 1436 |
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**Índices**

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| Índices | |
| Espessura média (m) | 0.24 |
| Taxa de formas (m2/m2) | 1.76 |
| Taxa de aço (kg/m2) | 18.37 |
| Taxa de aço (kg/m3) | 76.56 |
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Logotipo TQS