

| Elem | Todos parâmetros de acentuações dos pavimentos | | | | Empuxo | | | | FZ MAX EU12/Verificações de estudo limite dimo - Planos e junções | | | | MY MAX EU12/Verificações de estudo limite dimo - Planos e junções | | | | FZ MIN EU12/Verificações de estudo limite dimo - Planos e junções | | | | MX MIN EU12/Verificações de estudo limite dimo - Planos e junções | | | | | | |
|------|--|------|------|------|--------|------|-------|------|---|------|-------|------|---|-------|------|-------|---|------|-------|-------|---|-------|-------|------|-------|-------|------|
| | Fz | Mx | My | Fz | Fx | Fy | Nk | My | Fz | Mx | My | Fz | Mx | My | Fz | Mx | My | Fz | Mx | My | Fz | Mx | My | Fz | Mx | My | |
| PP11 | 37.0 | -2.2 | -0.2 | 0.2 | -0.1 | 9.8 | -16.5 | -0.1 | 37.3 | -1.6 | -0.4 | 35.2 | -18.4 | -0.3 | 36.2 | -18.4 | -0.2 | 37.2 | -18.6 | -0.3 | 35.2 | -18.4 | -0.4 | 37.2 | -18.6 | -0.3 | |
| PP12 | 32.3 | -2.4 | -0.2 | 0.1 | -0.1 | 9.7 | -16.7 | -0.1 | 32.5 | -1.8 | -0.4 | 30.3 | -18.5 | -0.1 | 30.3 | -18.5 | -0.1 | 32.3 | -18.7 | -0.1 | 30.6 | -18.5 | -0.1 | 32.3 | -18.7 | -0.1 | |
| PP13 | 35.1 | -1.3 | -0.1 | 0.2 | -0.1 | 13.3 | -22.5 | -0.1 | 35.2 | -2.3 | -0.0 | 33.0 | -23.6 | -0.0 | 33.0 | -23.6 | -0.1 | 32.6 | -23.8 | -0.0 | 33.0 | -23.6 | -0.1 | 32.6 | -23.8 | -0.0 | |
| PP14 | 34.0 | -0.8 | -0.3 | 0.2 | -0.1 | 13.1 | -15.5 | -0.1 | 34.7 | -1.4 | -0.5 | 32.4 | -16.3 | -0.5 | 32.4 | -16.3 | -0.5 | 34.7 | -16.5 | -0.5 | 32.4 | -16.3 | -0.5 | 34.7 | -16.5 | -0.5 | |
| PP15 | 48.2 | -1.8 | -0.3 | -1.1 | -0.1 | 9.3 | -15.5 | -0.1 | 49.5 | -1.5 | -0.2 | 44.5 | -17.1 | -0.2 | 44.5 | -17.1 | -0.2 | 44.9 | -17.3 | -0.2 | 44.3 | -17.1 | -0.2 | 44.9 | -17.3 | -0.2 | |
| PP16 | 37.6 | -1.5 | -0.1 | -0.2 | 0.0 | 7.4 | -12.0 | -0.1 | 37.6 | -1.2 | -0.1 | 37.6 | -13.1 | -0.1 | 37.6 | -13.1 | -0.1 | 37.4 | -13.6 | -0.1 | 37.6 | -13.1 | -0.1 | 37.4 | -13.6 | -0.1 | |
| PP17 | 59.4 | -0.9 | 0.1 | 0.0 | 0.1 | 13.7 | -23.0 | 0.1 | 59.2 | -2.5 | 0.2 | 54.9 | -23.3 | 0.2 | 54.7 | -23.4 | 0.2 | 54.7 | -23.4 | 0.2 | 54.9 | -23.3 | 0.2 | 54.9 | -23.3 | 0.2 | |
| PP18 | 57.0 | -0.1 | 0.0 | -0.7 | 0.0 | 12.4 | -22.3 | 0.1 | 57.1 | -2.4 | 0.0 | 54.0 | -22.4 | 0.1 | 54.9 | -22.4 | 0.1 | 54.2 | -22.5 | 0.1 | 53.3 | -22.4 | 0.0 | 54.2 | -22.5 | 0.1 | |
| PP19 | 50.3 | -0.1 | 0.5 | 0.2 | 0.0 | 15.1 | -14.9 | -0.1 | 52.4 | -0.5 | 0.5 | 48.5 | -25.4 | -0.6 | 48.7 | -25.4 | -0.6 | 48.3 | -25.4 | -0.5 | 49.2 | -25.4 | -0.5 | 48.3 | -25.4 | -0.5 | |
| PP20 | 78.8 | -0.1 | 0.4 | -0.1 | 0.4 | 14.5 | -24.2 | -0.2 | 60.7 | -0.3 | 0.3 | 74.4 | -25.2 | 0.3 | 73.7 | -25.2 | 0.3 | 74.4 | -25.2 | 0.3 | 74.4 | -25.2 | 0.3 | 74.4 | -25.2 | 0.2 | |
| PP21 | 57.7 | -0.3 | 0.0 | 1.4 | -0.2 | 14.5 | -24.2 | -0.3 | 60.7 | -0.3 | 0.3 | 74.4 | -25.2 | 0.3 | 73.7 | -25.2 | 0.3 | 74.4 | -25.2 | 0.3 | 74.4 | -25.2 | 0.3 | 74.4 | -25.2 | 0.3 | |
| PP22 | 76.2 | -0.2 | -0.2 | 0.0 | -0.2 | 13.7 | -22.8 | -0.3 | 76.4 | -2.3 | 0.4 | 71.7 | -23.0 | -0.4 | 71.3 | -23.0 | -0.6 | 76.2 | -23.3 | -0.5 | 71.3 | -23.0 | -0.6 | 71.3 | -23.0 | -0.6 | |
| PC1 | 22.9 | 0.5 | 0.6 | -0.5 | 0.0 | 6.1 | -7.0 | 1.2 | 0.9 | -2.4 | 1.6 | 0.1 | 21.1 | -1.5 | 0.2 | 20.5 | -1.7 | 0.2 | 23.0 | -1.6 | 0.4 | 24.3 | -1.6 | 0.1 | 24.3 | -1.6 | 0.1 |
| PC2 | 32.9 | -0.2 | -0.2 | -0.1 | 0.3 | 33 | -21.3 | 0.6 | 0.7 | 33.0 | 0.4 | 1.4 | 32.0 | 0.8 | 0.6 | 32.5 | 0.5 | 0.7 | 20 | 0.6 | 0.4 | 32.1 | 0.5 | 0.5 | 31.6 | 0.4 | 0.4 |
| PC3 | 34.9 | -0.1 | -0.2 | -0.3 | 0.1 | 19 | -23.2 | 0.8 | 0.4 | 38.1 | 0.4 | 0.5 | 34.4 | 1.1 | 0.6 | 34.5 | 0.7 | 0.7 | 20 | 0.6 | 0.4 | 34.7 | 0.2 | 0.5 | 34.5 | 0.7 | 0.9 |
| PC4 | 40.6 | -0.0 | -0.3 | -0.2 | 0.0 | 10 | -23.5 | 0.7 | 0.3 | 40.6 | 0.4 | -0.1 | 39.4 | 1.0 | 0.0 | 38.6 | 0.6 | 1.4 | 39.4 | 0.2 | 0.0 | 40.0 | 0.3 | -0.1 | 39.7 | 0.6 | -0.5 |
| PC5 | 37.6 | -0.1 | 0.1 | -0.2 | 0.2 | 5 | -22.5 | 0.6 | 0.1 | 37.7 | 0.3 | 0.2 | 36.2 | 0.9 | 0.2 | 36.5 | 0.9 | 0.2 | 37.1 | 0.2 | 0.1 | 36.8 | 0.5 | -0.3 | 37.1 | 0.2 | -0.3 |
| PC6 | 38.0 | -0.1 | -0.2 | -0.2 | 0.0 | 12 | -22.6 | 0.6 | 0.1 | 40.1 | 0.4 | -0.2 | 38.9 | 1.0 | 0.1 | 38.7 | 0.9 | 0.0 | 39.3 | 0.2 | 0.2 | 39.2 | 0.6 | -0.6 | 39.3 | 0.2 | -0.6 |
| PC7 | 39.5 | -0.9 | 0.0 | -0.1 | 0.1 | 22.8 | -0.6 | 0.1 | 39.5 | 0.1 | 0.2 | 39.5 | 0.7 | -0.1 | 38.9 | 0.2 | 0.2 | 39.5 | 0.6 | 0.0 | 39.7 | 0.2 | 0.2 | 39.5 | 0.6 | 0.0 | |
| PC8 | 35.6 | -0.2 | -0.2 | -0.2 | 0.0 | 4.3 | -22.6 | 0.6 | 0.2 | 34.9 | 0.2 | -0.2 | 34.9 | 0.6 | -0.1 | 34.7 | 0.5 | 0.0 | 35.0 | 0.1 | -0.2 | 35.1 | 0.5 | -0.5 | 35.1 | 0.1 | -0.5 |
| PC9 | 34.1 | -0.2 | -0.1 | -0.1 | 0.1 | 4.6 | -22.4 | 0.6 | 0.2 | 34.1 | 0.2 | -0.4 | 34.1 | 0.6 | -0.2 | 33.9 | 0.5 | 0.0 | 34.3 | 0.1 | -0.2 | 34.3 | 0.5 | -0.5 | 34.3 | 0.1 | -0.5 |
| PC10 | 34.1 | -0.2 | -0.1 | -0.1 | 0.1 | 4.6 | -22.4 | 0.6 | 0.2 | 34.1 | 0.2 | -0.4 | 34.1 | 0.6 | -0.2 | 33.9 | 0.5 | 0.0 | 34.3 | 0.1 | -0.2 | 34.3 | 0.5 | -0.5 | 34.3 | 0.1 | -0.5 |
| PC11 | 34.2 | -0.2 | -0.2 | -0.2 | 0.0 | 10 | -22.6 | 0.7 | 0.3 | 34.2 | 0.2 | -0.4 | 33.9 | 0.9 | -0.2 | 33.8 | 0.7 | -0.1 | 34.0 | 0.2 | -0.2 | 34.0 | 0.7 | -0.2 | 34.0 | 0.2 | -0.2 |
| PC12 | 36.7 | -0.1 | -0.1 | -0.2 | 0.0 | 18 | -22.6 | 0.7 | 0.4 | 36.7 | 0.3 | 0.6 | 36.6 | 1.0 | -0.4 | 36.7 | 0.6 | 0.5 | 36.1 | 0.2 | -0.7 | 36.3 | 0.6 | -0.6 | 36.3 | 0.2 | -0.6 |
| PC13 | 35.0 | -0.2 | 0.0 | -0.2 | 0.0 | 32 | -22.2 | 0.8 | 0.5 | 36.2 | 0.6 | -1.4 | 33.9 | 1.0 | -0.4 | 33.5 | 0.6 | 0.9 | 34.3 | 0.2 | -0.6 | 34.7 | 0.6 | -0.6 | 34.7 | 0.2 | -0.6 |
| PC14 | 24.3 | 0.4 | 0.4 | -0.7 | 0.0 | 4.5 | -23.4 | 1.2 | 0.4 | 31.3 | 0.4 | -0.3 | 30.5 | 0.9 | -0.3 | 30.5 | 0.9 | -0.3 | 30.5 | 0.9 | -0.3 | 30.5 | 0.9 | -0.3 | 30.5 | 0.9 | -0.3 |
| PC15 | 31.2 | -0.5 | 0.0 | -0.1 | 0.0 | 22.9 | -3.0 | 3.2 | 37 | 3.2 | 3.2 | 30.5 | 3.8 | 4.4 | 30.5 | 3.8 | 4.4 | 30.5 | 3.8 | 4.4 | 30.5 | 3.8 | 4.4 | 30.5 | 3.8 | 4.4 | |
| PC16 | 37.6 | 0.2 | 0.0 | 0.0 | 0.0 | 24.2 | -2.2 | 2.3 | 6.1 | 24.0 | 1.2 | 6.0 | 23.5 | 3.3 | 6.0 | 23.7 | 2.1 | 6.1 | 23.6 | 3.3 | 6.0 | 24.0 | 1.2 | 6.0 | 23.9 | 1.9 | 5.6 |
| PC17 | 23.8 | -0.3 | -0.3 | -0.1 | 0.1 | 21.0 | -1.7 | 2.2 | 0.1 | 43.8 | 2.4 | -0.5 | 42.0 | 3.8 | -0.5 | 42.0 | 3.8 | -0.5 | 42.1 | 1.1 | -0.2 | 42.2 | 1.1 | -0.2 | 42.1 | 1.1 | -0.2 |
| PC18 | 43.6 | -0.3 | -0.6 | 0.0 | 0.0 | 21.0 | -1.5 | 2.2 | 0.1 | 32.6 | 2.0 | 0.8 | 31.9 | 3.4 | 0.8 | 31.9 | 3.4 | 0.8 | 31.8 | 0.7 | -0.5 | 31.9 | 2.0 | -0.9 | 31.9 | 2.0 | -0.9 |
| PC19 | 32.6 | -0.1 | -0.6 | 0.0 | 0.0 | 21.0 | -1.4 | 2.1 | 0.1 | 30.9 | 2.1 | 1.1 | 35.9 | 3.5 | 0.8 | 36.1 | 0.9 | 0.2 | 36.0 | 2.2 | 0.4 | 36.1 | 0.9 | 0.2 | 36.3 | 2.1 | 0.2 |
| PC20 | 32.9 | -0.2 | -0.7 | 0.0 | 0.0 | 19.2 | -1.3 | 2.1 | 0.1 | 31.0 | 1.0 | -0.6 | 31.0 | 3.2 | -0.6 | 31.4 | 3.2 | -0.6 | 31.4 | 0.8 | 0.0 | 31.4 | 3.2 | -0.6 | 31.4 | 0.8 | 0.0 |
| PC21 | 32.9 | -0.1 | -0.1 | -0.7 | 0.0 | 17.8 | -1.2 | 2.1 | 0.2 | 31.1 | 1.9 | -0.9 | 30.0 | 3.3 | -0.9 | 30.0 | 3.3 | -0.9 | 30.2 | 1.1 | -0.1 | 30.2 | 3.3 | -0.9 | 30.2 | 1.1 | -0.1 |
| PC22 | 31.1 | -0.1 | -0.1 | -0.2 | 0.0 | 17.5 | -1.2 | 2.1 | 0.2 | 28.0 | 1.0 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 1.1 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 1.1 | -0.1 |
| PC23 | 24.8 | -0.2 | -0.2 | -0.3 | 0.0 | 15.6 | -1.2 | 2.1 | 0.2 | 28.0 | 1.0 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 1.1 | -0.1 | 28.0 | 3.2 | -0.1 | 28.0 | 1.1 | -0.1 |
| PC24 | 23.8 | -0.1 | -0.7 | 0.0 | 0.0 | 13.9 | -1.2 | 2.1 | 0.2 | 21.0 | 0.3 | -0.5 | 22.7 | 3.4 | -0.5 | 22.7 | 3.4 | -0.5 | 22.7 | 1.1 | -0.1 | 22.7 | 3.4 | -0.5 | 22.7 | 1.1 | -0.1 |
| PC25 | 21.4 | 0.3 | 0.2 | -0.5 | 0.0 | 16 | -1.2 | 2.1 | 0.2 | 20.7 | 0.3 | -0.5 | 20.7 | 3.4 | -0.5 | 20.7 | 3.4 | -0.5 | 20.7 | 1.1 | -0.1 | 20.7 | 3.4 | -0.5 | 20.7 | 1.1 | -0.1 |
| PC26 | 21.6 | 0.8 | 0.0 | -0.5 | 0.0 | 11.1 | 9.1 | -1.3 | 0.3 | 22.4 | 2.2 | -0.9 | 21.7 | -1.2 | -0.8 | 21.7 | -1.2 | -0.8 | 21.7 | -1.2 | -0.8 | 21.7 | -1.2 | -0.8 | 21.7 | -1.2 | -0.8 |
| PC27 | 21.0 | 0.0 | -0.5 | 0.0 | 0.0 | 22.7 | -1.6 | 1.6 | 0.3 | 31.4 | 2.0 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 |
| PC28 | 23.6 | -0.1 | -0.1 | -0.1 | 0.0 | 22.8 | -1.4 | 1.6 | 0.3 | 22.7 | 2.0 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 | 29.9 | 3.5 | -2.7 |
| PC29 | 23.8 | -0.1 | -0.1 | -0.1 | 0.0 | 23.4 | -1.5 | 1.5 | 0.3 | 34.7 | 5.0 | -0.1 | 34.0 | 4.9 | -0.1 | 34.0 | 4.9 | -0.1 | 34.0 | 4.9 | -0.1 | 34.0 | 4.9 | -0.1 | 34.0 | 4.9 | -0.1 |
| PC30 | 20.3 | 0.0 | 0.0 | -0.2 | 0.0 | 20 | -2.5 | 4.3 | 0.1 | 20.7 | -12.9 | 0.5 | 20.0 | -12.8 | 0.4 | 20.0 | -12.8 | 0.4 | 20.3 | -12.9 | 0.5 | 20.1 | -12.8 | 0.4 | 20.1 | -12.9 | 0.5 |
| PC31 | 33.8 | 0.2 | 0.4 | -0.4 | 0.0 | 19.1 | 9.9 | -1.4 | 0.1 | 34.0 | -1.0 | 0.3 | 34.0 | -1.0 | 0.3 | 34.0 | -1.0 | 0.3 | 34.3 | -1.0 | 0.3 | 33.3 | -1.0 | 0.2 | 34.1 | -1.0 | 0.2 |
| PC32 | 37.1</ | | | | | | | | | | | | | | | | | | | | | | | | | | |