

# Construction plates



|               |                    |
|---------------|--------------------|
| Quality       | <b>S355J2+N</b>    |
| Standard      | EN 10025-2         |
| Certification | 3.1 or 3.2 EN10204 |
| Heattreatment | Normalized rolled  |

## Mechanical properties

| Thickness in mm | Min. Yield (Mpa) | Tensile strength (Mpa) | Min. Elongation (%) | Min. Impact Energy (KV J longitudinal) -20° |
|-----------------|------------------|------------------------|---------------------|---------------------------------------------|
| >3 <= 16        | 355              | 510 - 680              | 22                  | 27                                          |
| > 16 <= 40      | 345              | 470 - 630              | 22                  | 27                                          |
| >40 <= 63       | 335              | 470 - 630              | 21                  | 27                                          |
| >63 <= 80       | 325              | 470 - 630              | 20                  | 27                                          |
| >80 <= 100      | 315              | 450 - 600              | 20                  | 27                                          |
| > 100 <= 150    | 295              | 450 - 600              | 18                  | 27                                          |
| >150 <= 200     | 285              | 450 - 600              | 17                  | 27                                          |
| >200 <=250      | 275              | 450 - 600              | 17                  | 27                                          |
| >250 <= 400     | 265              | 450 - 600              | 17                  | 27                                          |

## Chemical composition

| C/ (mm) max. | C/ (mm) max. | C/ (mm) max. | Si max. | Mn max. | P max. | S max. | Cu max. |
|--------------|--------------|--------------|---------|---------|--------|--------|---------|
| <= 16 mm     | >16 <=40 mm  | >40 mm       |         |         |        |        |         |
| 0.20         | 0.20         | 0.22         | 0.550   | 1.600   | 0.025  | 0.025  | 0.55    |

