



**Opis elemenata**

MG Precast u svom proizvodnom programu poseduje međuspratnu konstrukciju tipa IFLED od prednapregnutog betona. Kao i kod drugih prefabrikovanih međuspratnih konstrukcija za montažu istih nophodno je izvršiti monolitizaciju. IFLED međuspre konstrukcije karakterišu postizanje velikih raspona uz velike nosivosti elemenata. Obzirom da se kablovi za prednaprezanje nalaze u jasno definisanim pojasevima, ova međuspratna konstrukcija je pogodna za instalacione otvore.

Velika primena ovih elemenata je kod višespratnih garaža i tržnih centara gde se koriste rasponi 8x16m što donosi značajnu racionalizaciju u broju elemenata i omogućava bržu montažu.

**Montaža**

Oslanjanje konstrukcije se postiže preko neoprenskih ležišta. Dužina oslanjanje treba da bude manja od 18cm. Kod izvođenja stabilizujuće ploče, gornju površinu treba zaliti betonom klase ne manje 30N/mm<sup>2</sup>, granulometrijskog sastava 0-12. Minimalan sloj za monolitizaciju je 5cm.

 **Podaci Data Sheet**

| MATERIAL  | KARAKTERISTIČNE ČVRSTOĆE N/mm <sup>2</sup> |
|---|--|
| MATERIAL  | NOMINAL STRENGTH N/mm <sup>2</sup>         |
| <b>Beton</b><br>Concrete                                    | <b>MB ≥ 55</b>                             |
| <b>Kablovi</b><br>Tendons                                   | <b>f<sub>pk</sub> ≥ 1860</b>               |
| <b>Čelik B500</b><br>Steel B500                             | <b>σ<sub>vk</sub> ≥ 400</b>                |
| <b>Zavarena mrežna armatura</b><br>Welded Reinforcement Net | <b>σ<sub>vk</sub> ≥ 390</b>                |

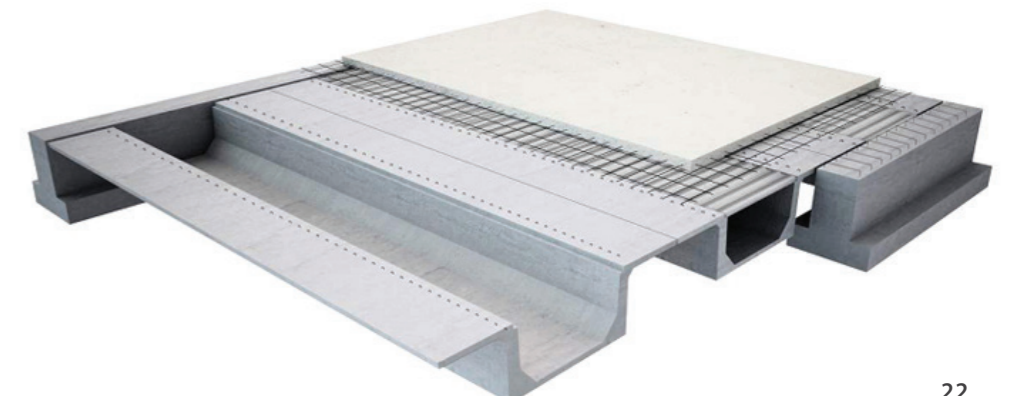
**Description of elements**

The product portfolio of MG Precast includes prestressed IFLED floor structures. As with other prefabricated floor structures, these structures are to be mounted and cast monolithically. IFLED floor structures are characterized by great spans and high load-bearing capacity. As prestressing tendons are placed in clearly defined zones, these floors are structures are suitable for installation ducts.

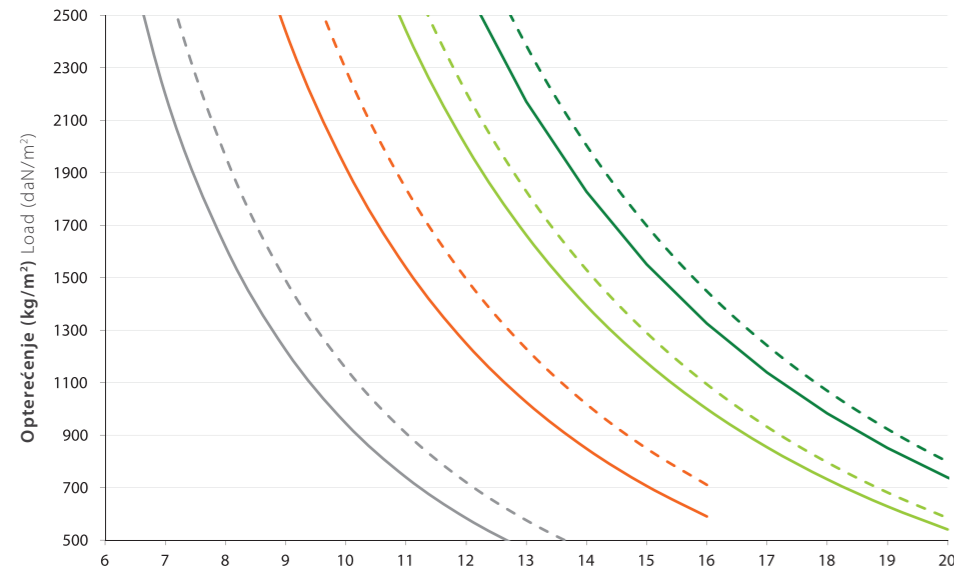
These elements are widely used in car parks and shopping centres in which spans tend to reach 8 x 16 m, which results in rationalization of the number of elements used and rapid installation. They are also used for flat roofs. Profiled steel sheet covers the open top surface of a mounted IFLED and supports monolithic casting.

**Mounting**

Neoprene pads are used to support the structure. The minimum supporting length is 18 cm. When stabilizing the slab, concrete of a minimum compression strength of 30N/mm<sup>2</sup> and particle size distribution 0-12 is to be cast over the upper surface. The minimum monolithic casting coat is 5cm.

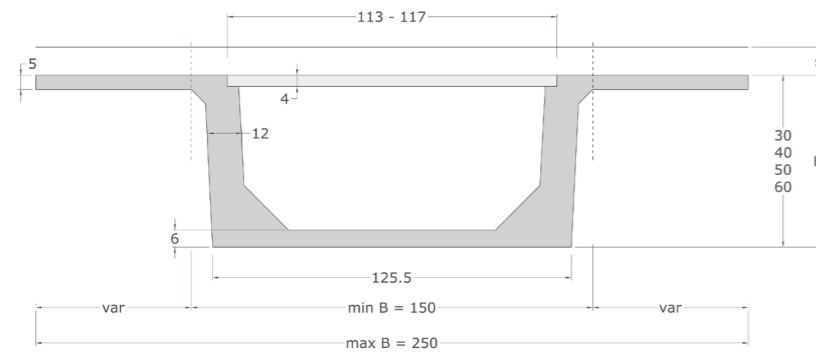


IFLED (maks.opterećenje) IFLED (MAX LOAD)



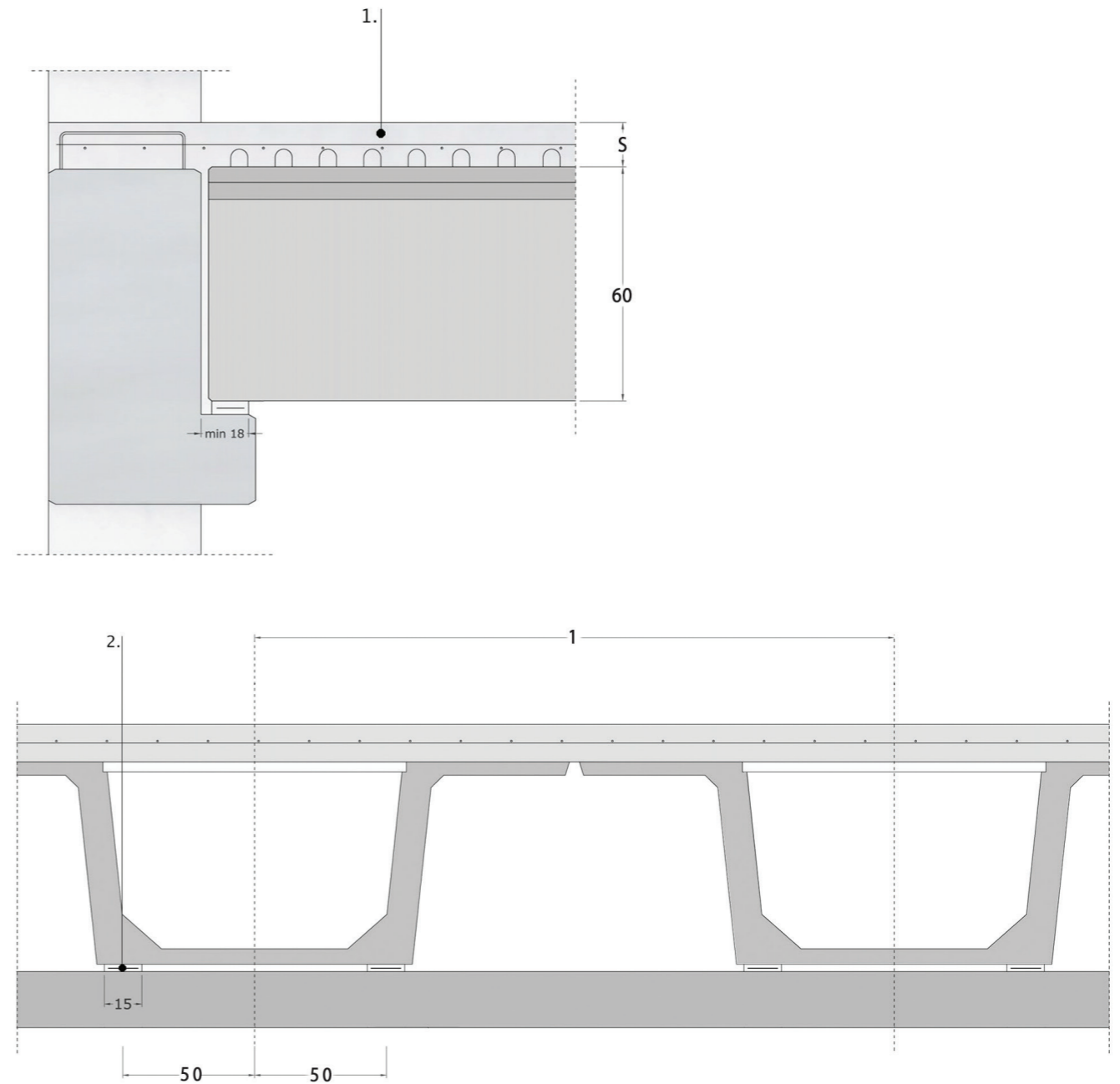
- Ifled h=60 a=2,00m
- Ifled h=60 a=2,45m
- Ifled h=50 a=2,00m
- Ifled h=50 a=2,45m
- Ifled h=40 a=2,00m
- Ifled h=40 a=2,45m
- Ifled h=30 a=2,00m
- Ifled h=30 a=2,45m

Opterećenje = stalno + povremeno + monolitizacija  
Load (daN/m) = permanent + variable + monolithic casting



|  |     |      |       |       |       |
|--|-----|------|-------|-------|-------|
| Visina H (cm) Height H (cm)                                    | 30  | 30+5 | 30+10 | 30+15 | 30+20 |
| sopstv. težina kg/m <sup>2</sup> Dead Weight kg/m <sup>2</sup> | 214 | 339  | 464   | 589   | 714   |
| Visina H (cm) Height H (cm)                                    | 40  | 40+5 | 40+10 | 40+15 | 40+20 |
| sopstv. težina kg/m <sup>2</sup> Dead Weight kg/m <sup>2</sup> | 238 | 363  | 488   | 613   | 738   |
| Visina H (cm) Height H (cm)                                    | 50  | 50+5 | 50+10 | 50+15 | 50+20 |
| sopstv. težina kg/m <sup>2</sup> Dead Weight kg/m <sup>2</sup> | 262 | 387  | 512   | 637   | 762   |
| Visina H (cm) Height H (cm)                                    | 60  | 60+5 | 60+10 | 60+15 | 60+20 |
| sopstv. težina kg/m <sup>2</sup> Dead Weight kg/m <sup>2</sup> | 286 | 411  | 536   | 661   | 786   |

Detalj montiranja Mounting detail  
1. Stabilizirajuća ploča Stabilizing slab  
2. Neoprensko ležište Neoprene pad



Za detaljna tehnička uputstva i dalje informacije pogledati tehničko uputstvo ili se obratiti za tehničku podršku MG Precast-u  
For detailed technical instructions and further information, consult the Technical Manual or contact MG Precast technical support