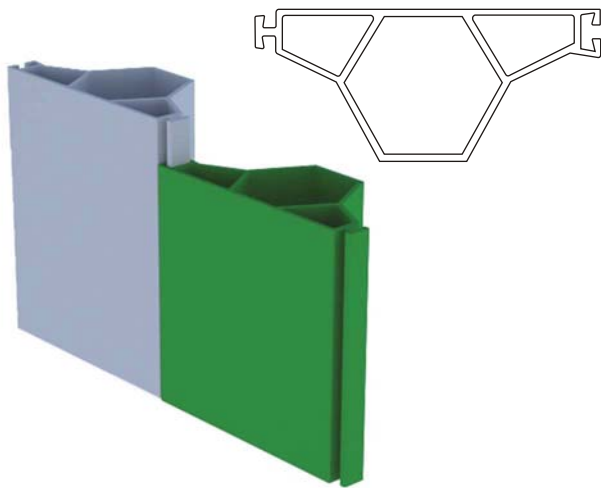


An ecological and cheap, maintenance-free solution, designed for many years of use.

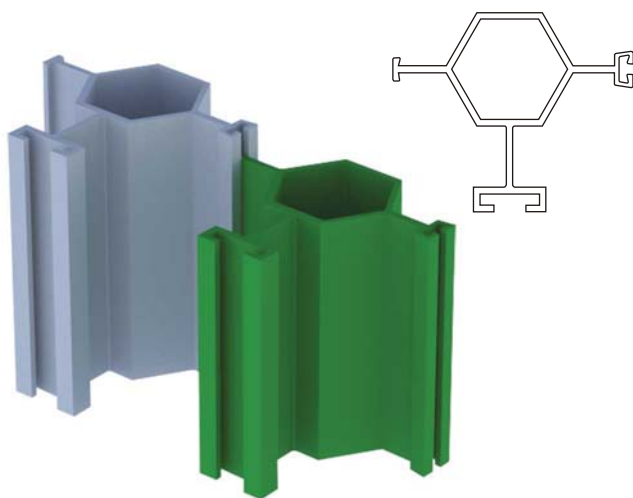


## D-HEX

	unit	value
WIDTH OF THE CROSS-SECTION	mm	250
HEIGHT OF THE CROSS-SECTION	mm	120
WALL THICKNESS	mm	5
DENSITY	kg / m <sup>3</sup>	1450-1550
ENDURANCE ON THE EXTENDED MATERIAL	MPa	40
MODULE OF THE ELASTICITY AT THE EXTENSION	MPa	2600
MODULE OF THE ELASTICITY AT THE INFLEXION	MPa	2600
MODULE OF THE ELASTICITY AT THE INFLEXION – L. T.*	MPa	1000-1500
COMPRESSIVE YIELD POINT	MPa	55-66
SECTION MODULUS	cm <sup>3</sup> / m	288
MOMENT OF INTERIA	cm <sup>4</sup> / m	2268
ALLOWABLE MOMENT **	kNm / m	5,76
MAXIMUM ADMISSIBLE (ULTIMATE) MOMENT	kNm / m	11,52

\* L. T. – long term

\*\* safety factor = 2



## T-HEX

	unit	value
WIDTH OF THE CROSS-SECTION	mm	250
HEIGHT OF THE CROSS-SECTION	mm	220
WALL THICKNESS	mm	7
DENSITY	kg / m <sup>3</sup>	1450-1550
ENDURANCE ON THE EXTENDED MATERIAL	MPa	40
MODULE OF THE ELASTICITY AT THE EXTENSION	MPa	2600
MODULE OF THE ELASTICITY AT THE INFLEXION	MPa	2600
MODULE OF THE ELASTICITY AT THE INFLEXION – L. T.*	MPa	1000-1500
COMPRESSIVE YIELD POINT	MPa	55-60
SECTION MODULUS	cm <sup>3</sup> / m	856
MOMENT OF INTERIA	cm <sup>4</sup> / m	10 540
ALLOWABLE MOMENT **	kNm / m	17,12
MAXIMUM ADMISSIBLE (ULTIMATE) MOMENT	kNm / m	34,24

\* L. T. – long term

\*\* safety factor = 2