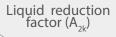
Type of load	S
Static load at room temperature. No danger for people, objects or environment. Constant factors (temperature, filling level,)	1.3
Variable or alternating load. Danger for people, objects or environment. Constant factors (temperature, filling level,)	2.0



1.0 for water.

Other liquids:

PTS - annex D





Type of load
Safety Factor (S)

Material-temperature factor (A₁)

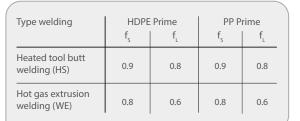
	Temperature			
Material	-10°C	20°C	40°C	50°C
HDPE Prime	1.2	1.0	1.0	N/A
PP Copo Prime	1.2	1.0	1.0	1.0





Material & Temperature

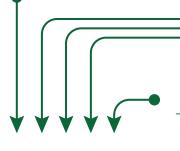
Material-temperature factor (A₁)





Weld type & material

Weld factor (f,)



Creep load (K)



$$O_{al} = \frac{K \cdot f_L}{A_1 \cdot A_2 K \cdot S}$$

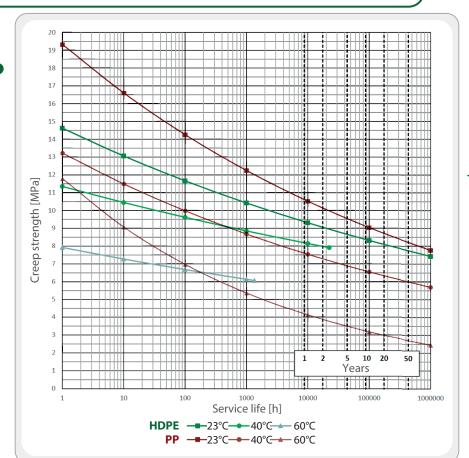
Actual strain (σ,

Paneltim® Technical Standard: See paragraph 6.2.3

CRITERIA FOR THE PANELS:

The maximal strain must be lower than the design resistance. $\sigma_{_{b}} < \sigma_{_{al}}$

This Quick Chart always needs to be used in combination with the Paneltim® Technical Standard (PTS). In the PTS underlying formulas and technical data for use of this Quick Chart are documented in detail. For correct use of this Quick Chart, a thorough knowledge and understanding of the Paneltim® Technical Standard is required.





Material





Temperature











Quick Chart



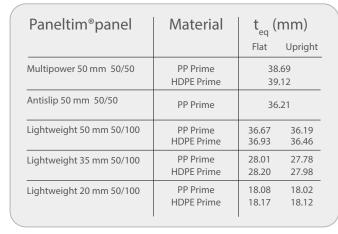




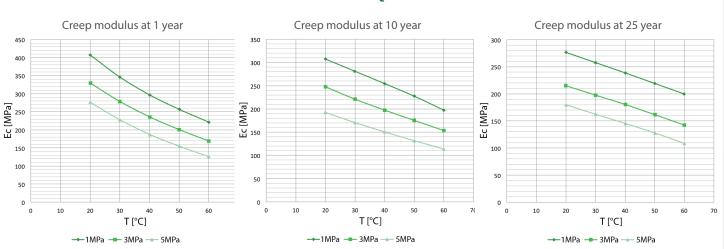
Bending (f)

Paneltim® Technical Standard: See paragraphs 3.4.3.2.2 and 3.5.3.2.2

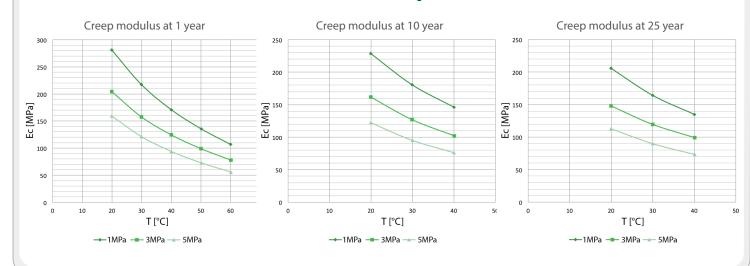
Equivalent thickness (t_{eq})



Creep modulus (E_c) for PP:



Creep modulus (E_c) for PE:



CRITERIA FOR THE PANELS:

The deflection must be smaller than half of the equivalent thickness. $f < t_{\rm eq} \, / \, 2$

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