



GLYSANTIN® Graphs



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Physical properties of GLYSANTIN® coolants

Because the main physical properties of GLYSANTIN® coolants relate to the mixing ratio of ethylene glycol/water, we have compiled this data under normal pressure in the range from -40 to +100 °C for different concentrations. In principal these are valid for all ethylene glycol based GLYSANTIN® products. Minor differences between these values are based on the different additive packages of each coolant.

Note:
GLYSANTIN® GG40® is not covered by these graphs due to the glycerine content.

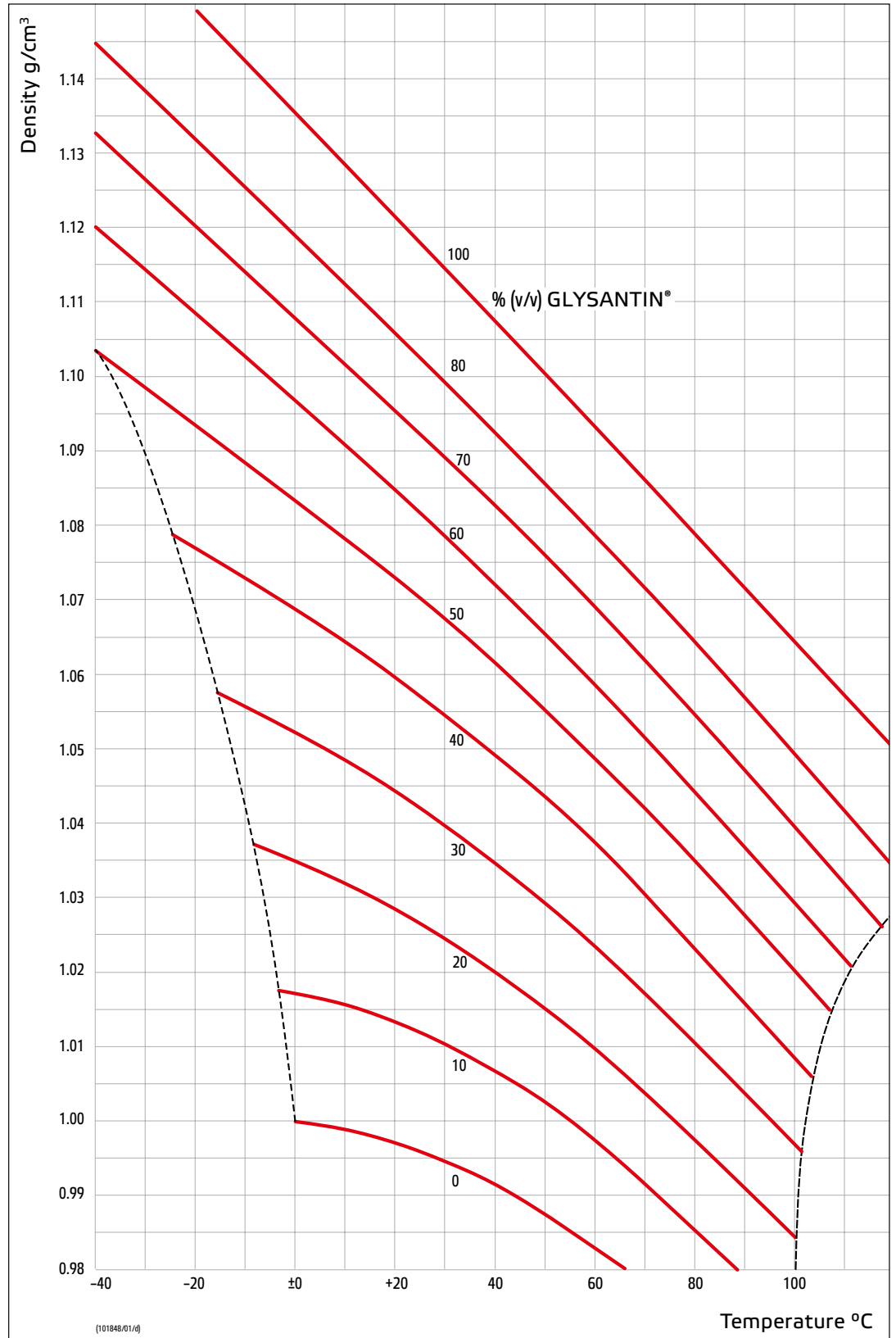
Da die wesentlichen physikalischen Eigenschaften der GLYSANTIN® Kühlerschutzmittel auf das Mischverhältnis von Ethylenglykol/Wasser zurückzuführen sind, haben wir eine Sammlung von Daten unter Normaldruck im Bereich von -40 bis +100 °C für unterschiedliche Konzentrationen erstellt. Diese sind prinzipiell für alle ethylenglykol-basierten GLYSANTIN® Produkte gültig. Geringfügige Unterschiede zu diesen Werten sind auf die unterschiedlichen Additivpakete der einzelnen Kühlmittel zurückzuführen.

Zur Beachtung:
GLYSANTIN® GG40® ist aufgrund des Glycerin-gehaltes nicht Gegenstand dieser Diagramme.



Density

of mixtures of GLYSANTIN® and water as a function of temperature and concentration.



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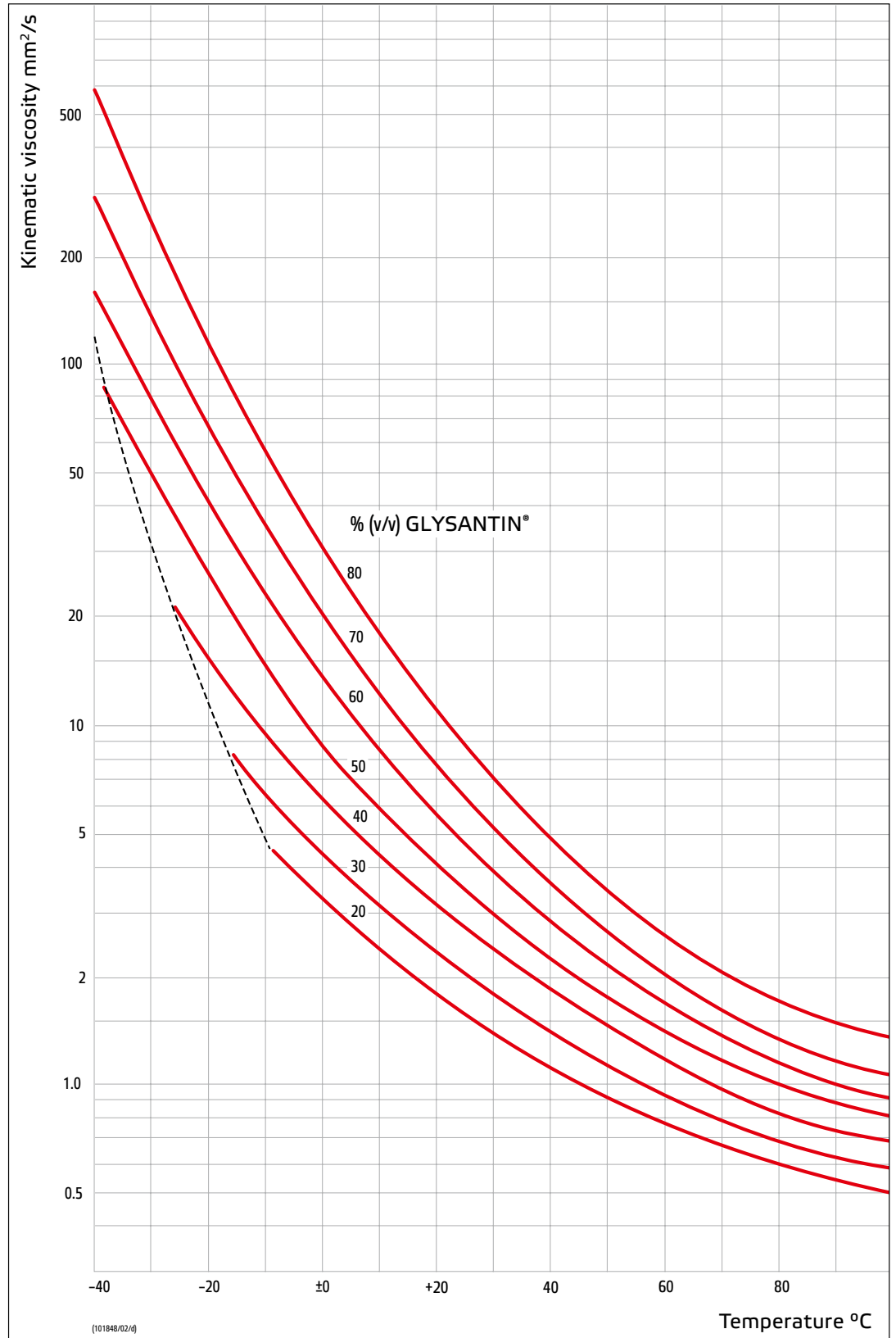
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Viscosity

of mixtures of GLYSANTIN® and water as a function of temperature and concentration.

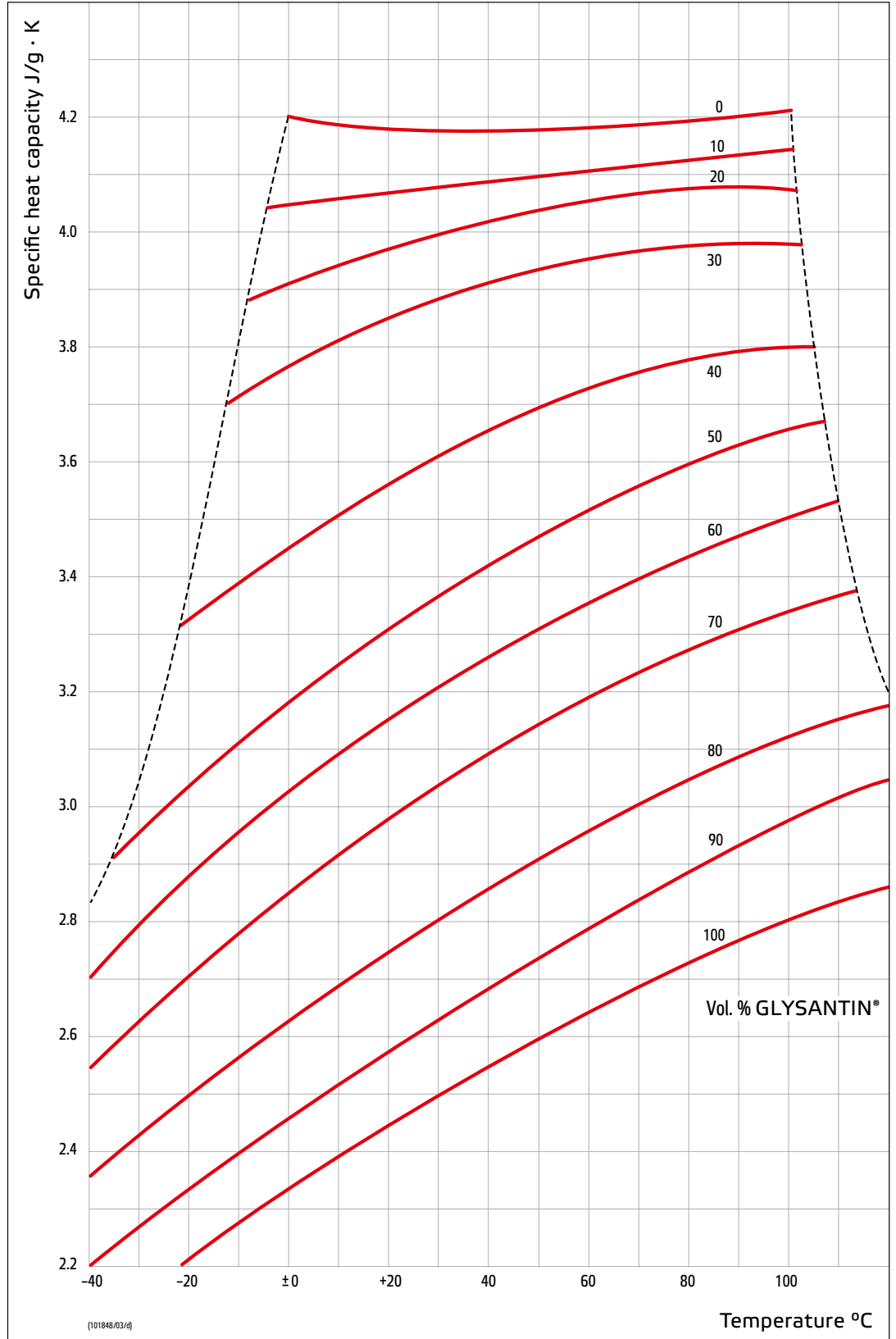


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Specific heat capacity

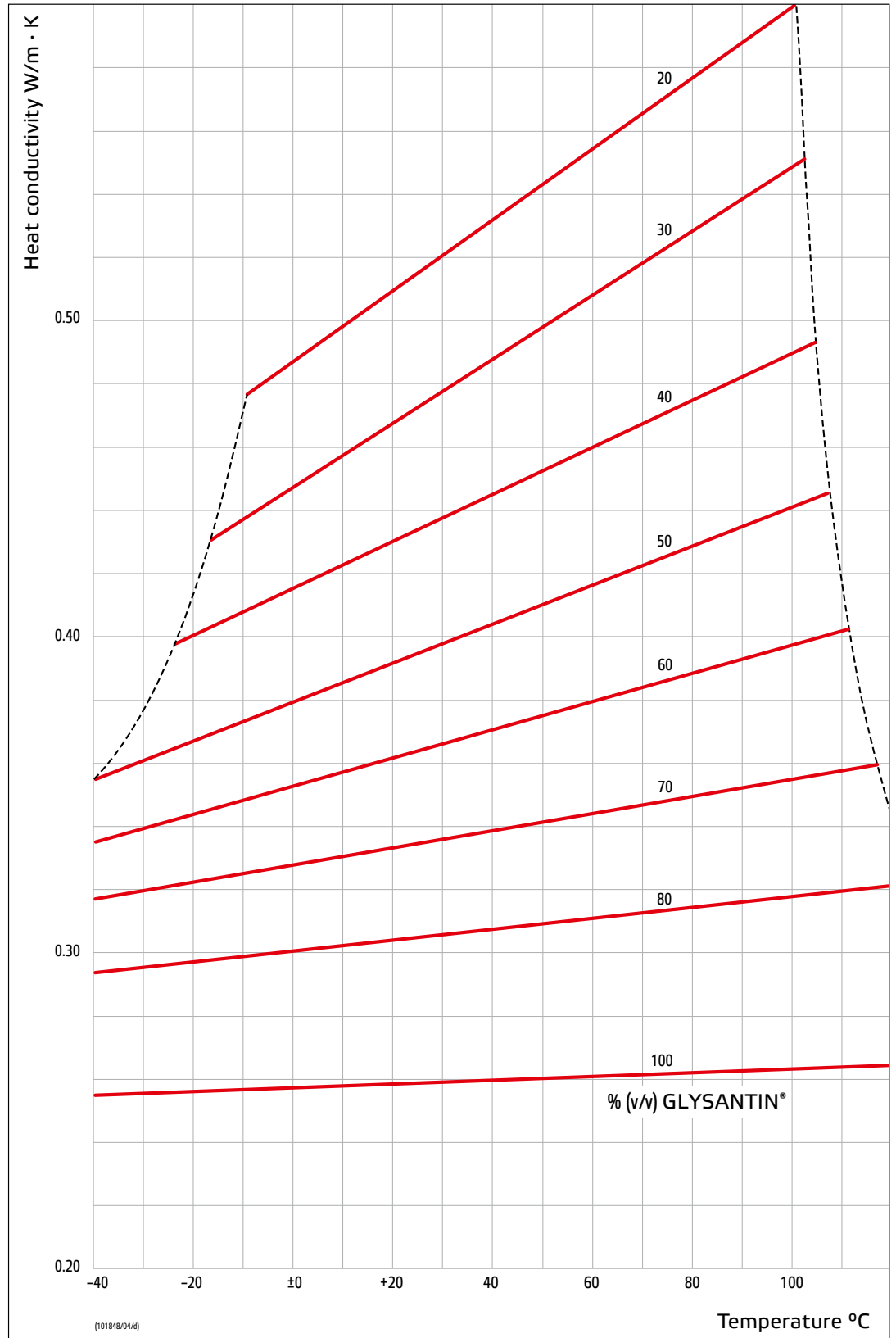
of mixtures of GLYSANTIN® and water as a function of temperature and concentration.





Heat conductivity

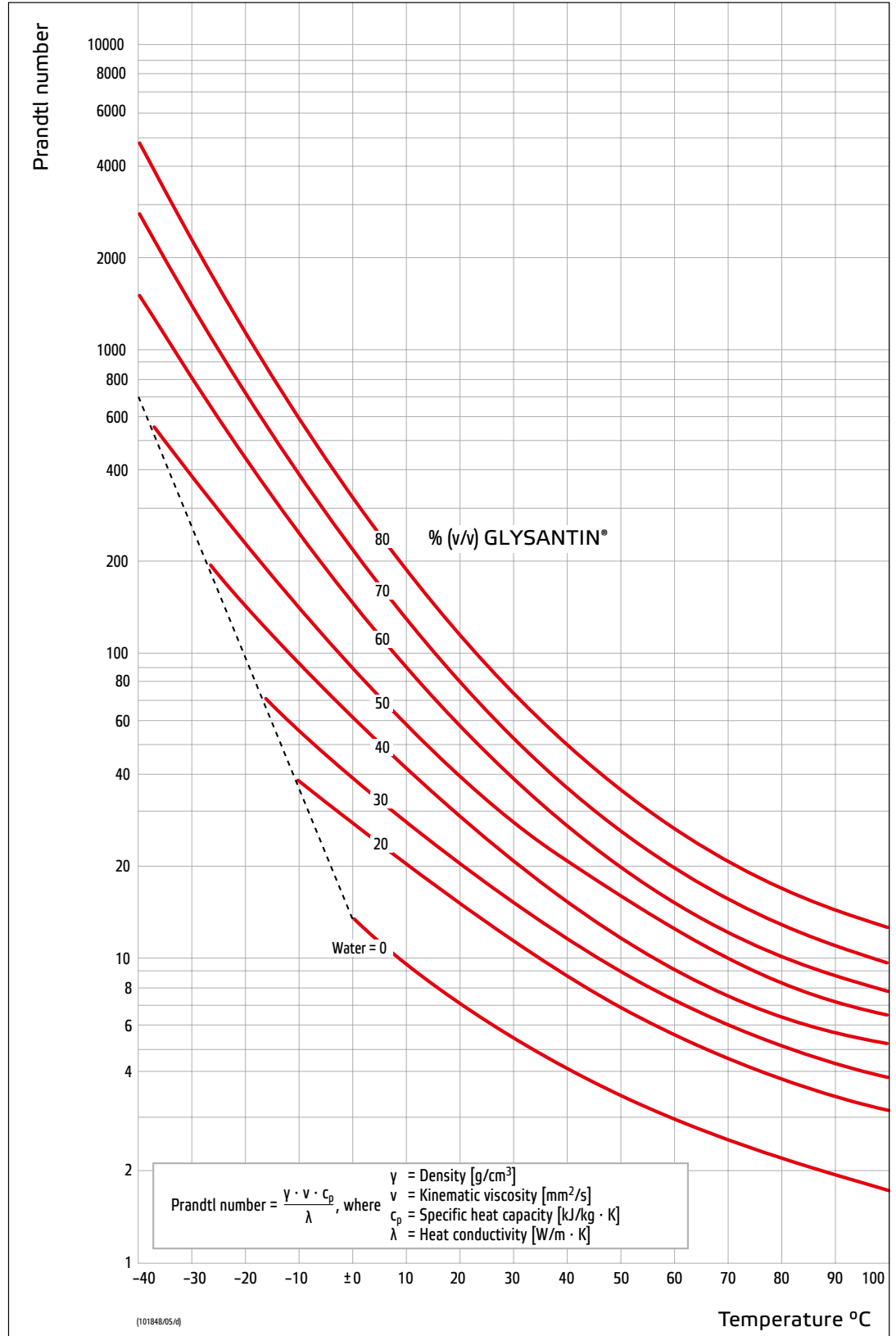
of mixtures of GLYSANTIN® and water as a function of temperature and concentration.





Prandtl numbers

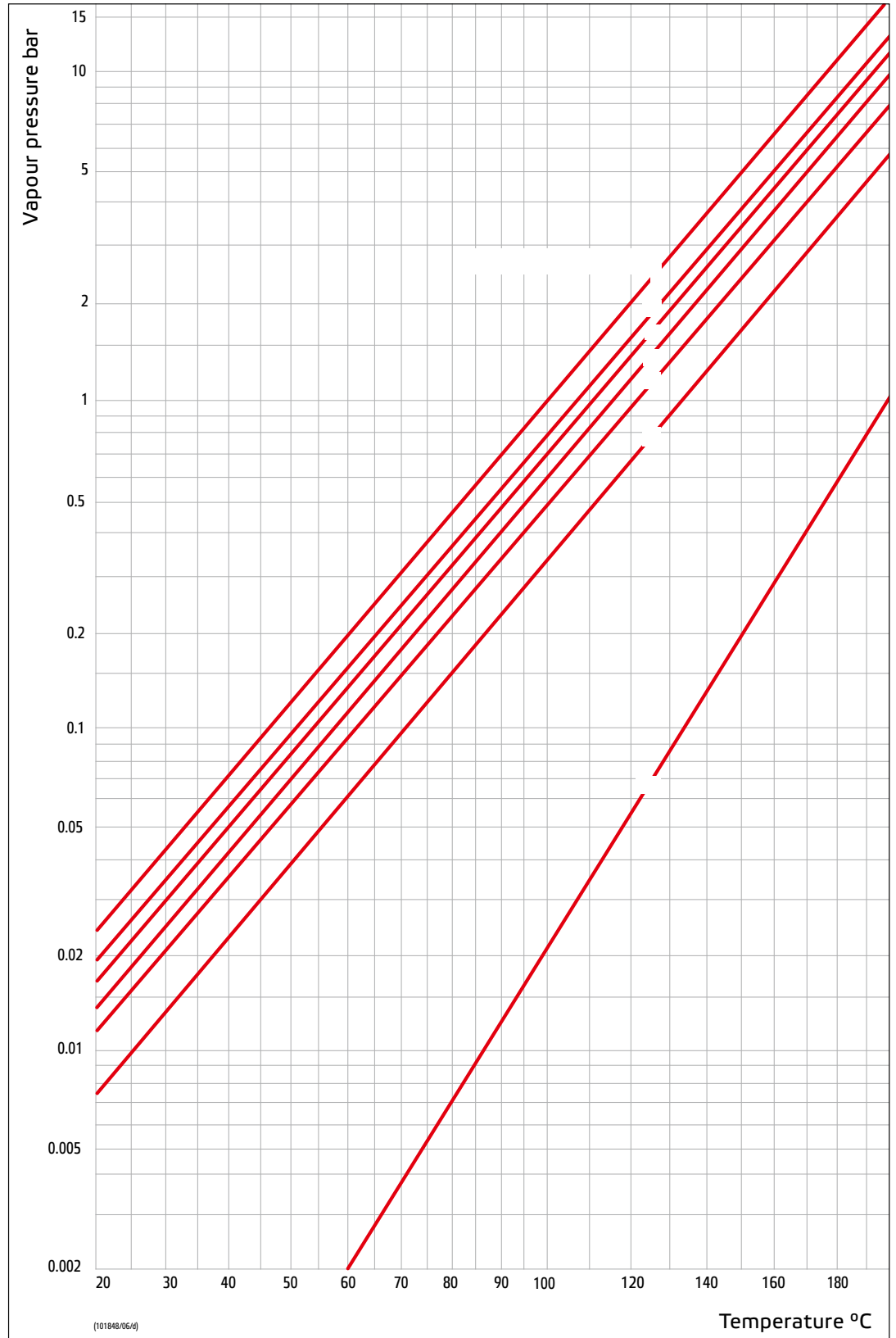
of mixtures of GLYSANTIN® and water as a function of temperature and concentration.





Vapour pressure

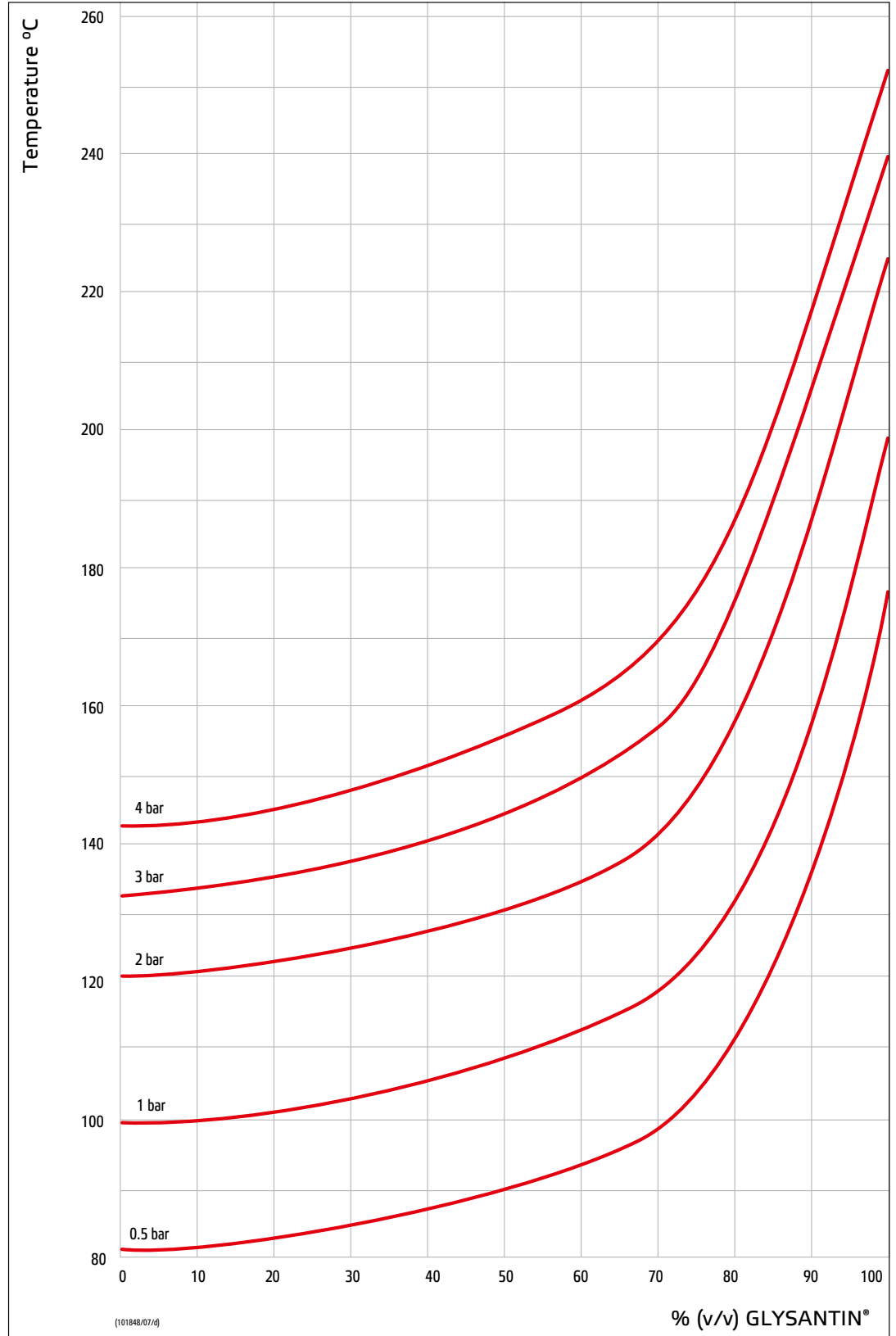
of mixtures of GLYSANTIN® and water as a function of concentration.





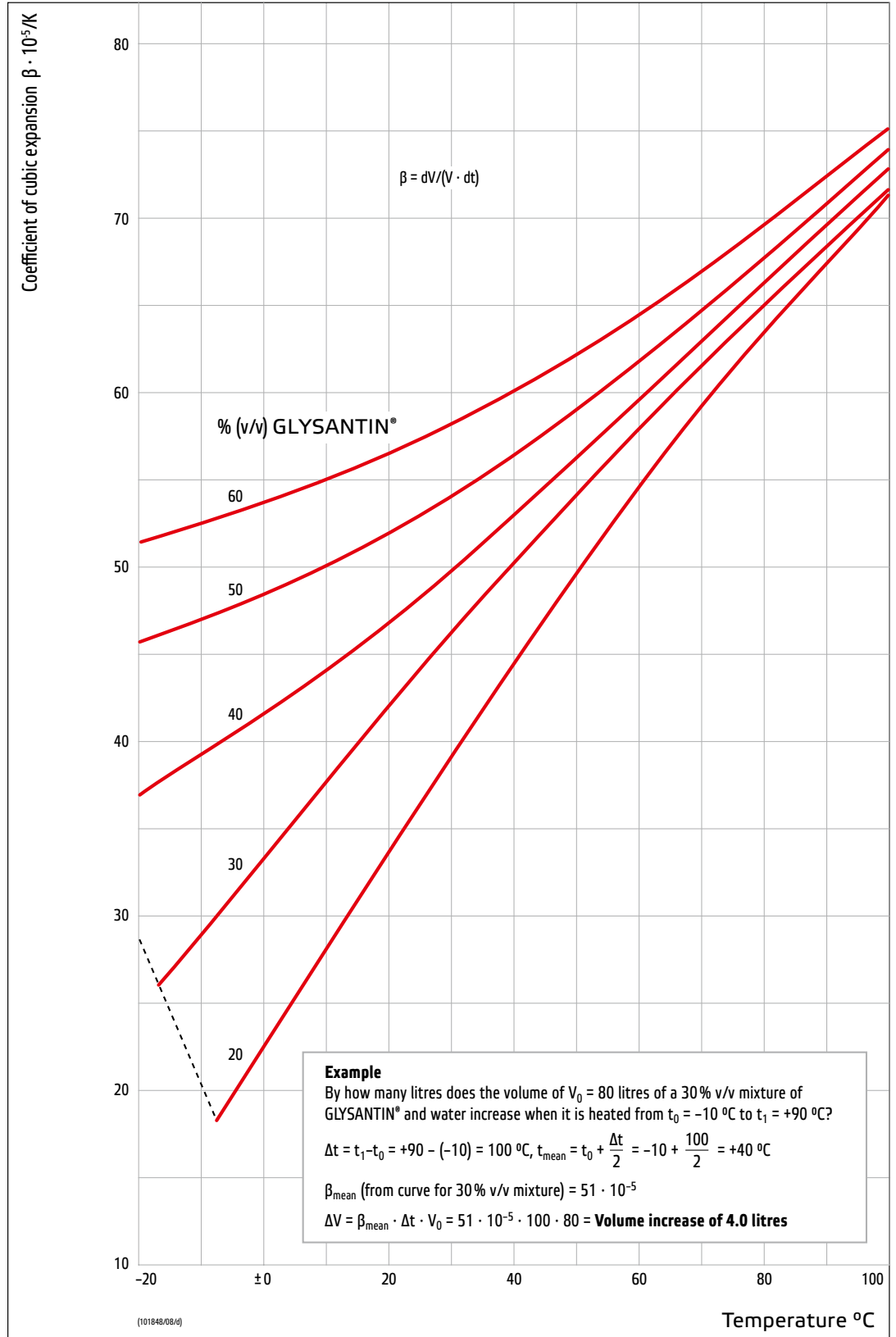
Boiling point isobars

of mixtures of GLYSANTIN® and water as a function of concentration.



Coefficients of cubic expansion

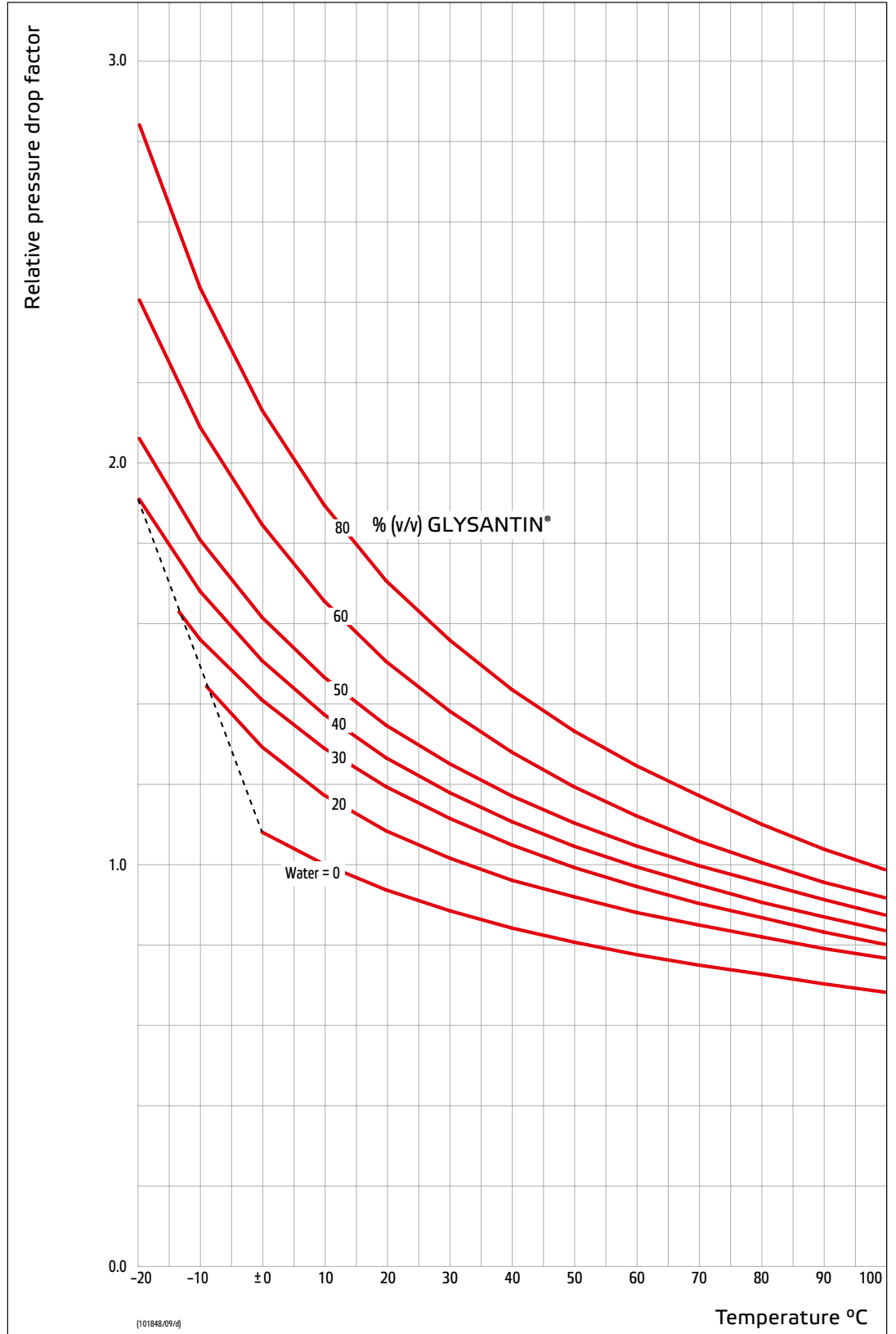
of mixtures of GLYSANTIN[®] and water as a function of temperature and concentration.





Relative pressure drop factors

of mixtures of GLYSANTIN® and water as a function of temperature and concentration.

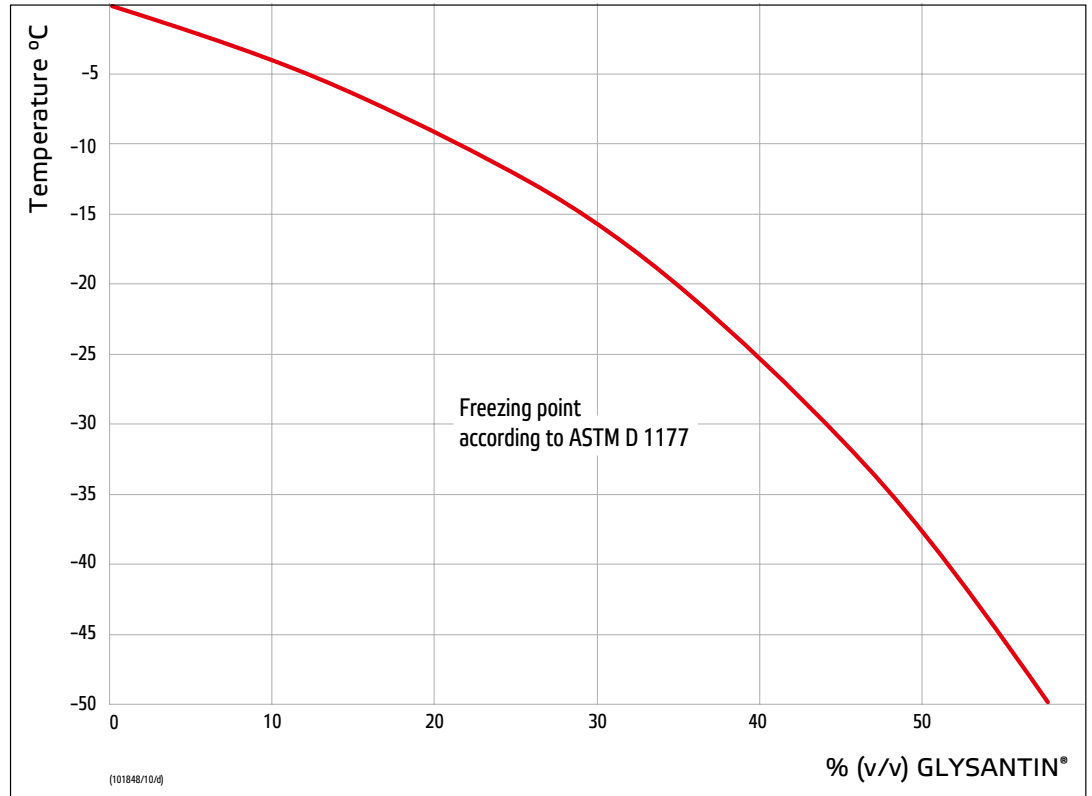


(101848/09/d)



Frost protection

provided by mixtures of GLYSANTIN® and water.



Note:

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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