

Container high solid solution

Hemparea DTM coating



High performance, long term protection, VOC emissions reduced

Hemparea DTM coating is a high-performance polyurea technology product with very fast drying/curing and high solid content, which is suitable as direct-to-metal (DTM) applications as well as topcoat applications. Polyurea is best applied by special dual feed airless spray equipment.

Hemparea DTM series is able to provide high-performance and long-term protection for refrigerated containers and other

special containers. Hemparea DTM help the container reefer manufacturer to lower the VOC emission, and at the same time lower the operational cost of high temperature ovens and high ventilation requirements required for waterborne coating systems. Hemparea DTM is applied as a one-coat system with a long expected lifetime for the container owner with high mechanical properties as well as colour resistance.

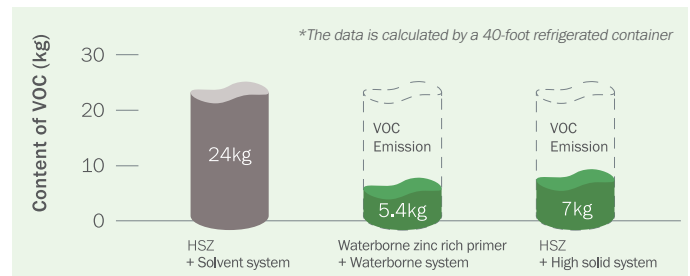
Excellent performance (Hemparea offers following strong points):

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| • Elongation/flexibility | • Fast drying: 10 minutes at room temperature |
| • Excellent chemical/solvent resistance | • Efficient one coat application |
| • Long lifetime expectancy | • Energy saving, drying at room temperature (20~30°C) |
| • Low VOC | • No thinning, the coating is optimized for 2-component airless spray |

Technical Parameters:

- Hemparea DTM
- Specific gravity: 1.63 (by colour)
- Volume solids: 83%
- Film thickness: 90-110µm
- Surfaces: Hot sprayed zinc/metallization, zinc epoxy, MGSS, aluminium, corten steel.

VOC Emission Comparison:



Case story:

In 2018, Hemparea DTM provided by Hempel was sprayed on five 40-foot refrigerator container.

According to the on-site re-inspection results in 2021 of two refrigerator containers, the coating was in good condition, showing excellent scratch resistance and impact resistance, and delivering an excellent protective effect, the inspection results were satisfactory.



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