



DECOVERY™

NeoPac® PU480

Next generation resins for decorative paints

With DECOVERY™, we've explored new ways to meet tighter environmental standards. Not just for complying with legislation on Volatile Organic Compound (VOC) content, but beyond. As a pioneer in low VOC waterborne solutions, we invite you to discover our high performance fatty acid modified, aliphatic polyurethane dispersion, the NeoPac® PU480. It is especially developed for both interior and exterior trim paints and stains. The NeoPac® PU480 is delivered at 42% solid content.

High performance resins for topcoats

The NeoPac® PU480 is an ideal DECOVERY™ solution for topcoats and stains. The NeoPac® PU480 combines high gloss with the best durability performance. Its good properties for topcoats include its surface hardness, flexibility and water resistance. For example, for application on surfaces that are frequently touched or used, like window frames and doors in kitchens, the grease resistance of the NeoPac® PU480 is far better than that of current water borne acrylic and alkyd emulsions. NeoPac® PU480 has good adhesion to old alkyd paints, important for renovation purposes, and it can be formulated in paints with a limited VOC content of just 50g/l.

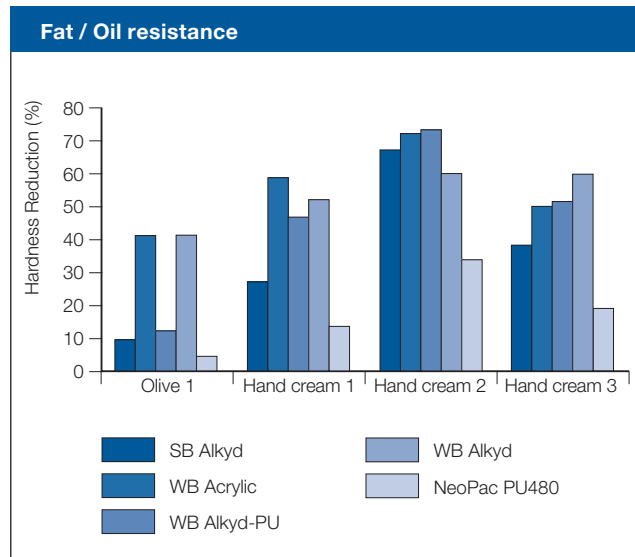


Figure 1: NeoPac® PU480 exhibits very good resistance to grease like oil and hand cream in comparison with other technologies and products.



PU480 original PU480 exposed acrylic emulsion exposed

Figure 2: The PU480 shows very good outdoor durability. The resin is chalking/powdering upon exposure (center). It doesn't have the tendency to flake (right).

High performance resins for stain

Additionally, the NeoPac® PU480, is an excellent resin for stains, because of its good resistance to scratches and humidity. The NeoPac® PU480 is a good waterborne alternative for a stain with performance similar to a solvent based product. Due to its toughness this resin has a very good impact and scratch resistance. This highly transparent system is one of our top performance products for its overall good balance between drying, lapping, open time, workability, early water resistance and its ability to repel water and dirt.

No limits to achieve your true potential

The DECOVERY™ product range focuses on creating a long-term sustainable advantage for our customers. Our aim is to develop market driven solutions based on performance, not just technology. The NeoPac® PU480 is a DECOVERY™ solution that differentiates in the topcoat and stain market with high performance properties such as good gloss, durability and scratch resistance.

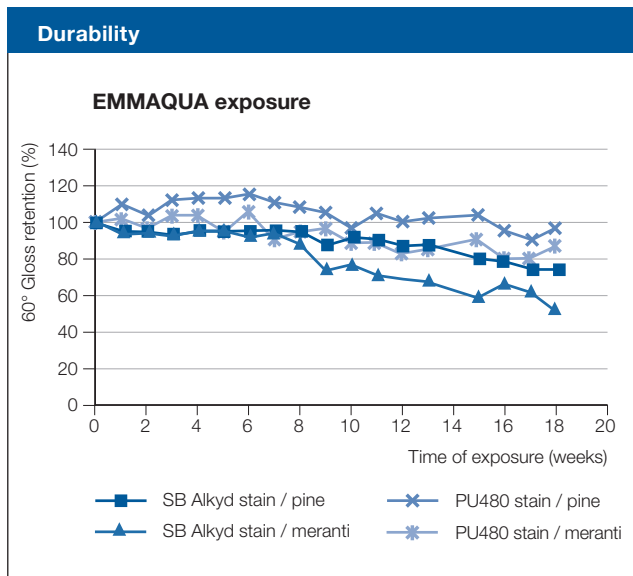


Figure 3: The NeoPac® PU480 has very good durability properties, as can be seen in the results of the Emmaqua test.

Discover what's beyond...and start formulating: just download the product documentation from www.dsmneoresins.com

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