

To all whom it may concern

Re : Life time / Degradation and Degradation modes DE NEEF® Gelacryl Superflex AR

DE NEEF® Gelacryl Superflex and DE NEEF® Gelacryl Superflex AR when fully reacted and correctly applied, create hydrophilic acrylate compounds.

Internal testing in our laboratories show, that such compounds, when correctly applied, have an expected service life of more than 25 years.

Possible modes of degradation of Gelacryl Superflex and Gelacryl Superflex AR in its applied environment are as for all water based acrylic injection resins:

- Exposure to heat above 100 °C which would cause the contained water to boil and destroy the gel matrix.
- Exposure to prolonged periods of drought of Gelacryl Superflex in the injected medium causing the material to dry and vitrify. This can be countered through the application of Gelacryl Superflex AR.
- Exposure to undiluted glycol or other desiccants that will extract water from the gel and cause it to degrade.
- Prolonged exposure to a very high pH environment (pH > 12.5) which will cause acrylate based gels to over-expand and loose integrity.



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