

Polyurethanes

POLYRESYST® S3040 polyurea system

Cutting edge polyurea technology for super-versatile industrial solutions



Easy application

Towards a sustainable solution

Superfast cure and return to service

Excellent physical properties



LOTS OF SHAPES. LOTS OF SURFACES. ONE SIMPLE SOLUTION.

HUNTSMAN POLYRESYST® S3040 POLYUREA SYSTEM:

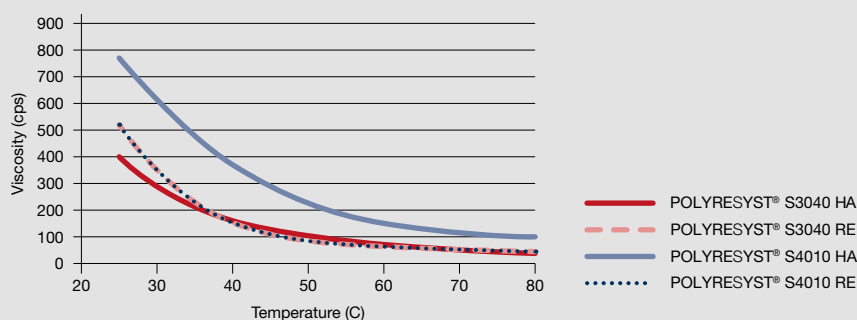
POLYRESYST® S3040 polyurea system is a differentiated high strength, lower reactivity and low viscosity two-component polyurea coating system, offering unique benefits:

- **Easy to spray, reducing the risk of failure;**
both components have a similar low viscosity.
- **Can be used on a compact and portable spray machine;**
The spray application of the system can be achieved at lower temperature (50 °C) and lower pressure (100 bar) than with standard polyurea systems. The system can be used for use on lower pressure, lightweight and compact spray equipment running on residential power and is ideal for touch-ups and small to medium projects.
- **No waste;**
Filling weights of the two components is adjusted to their respective processability. Both drums empty simultaneously for an optimized consumption.
- **Easy preparation;**
The resin drum is equipped with a larger opening to facilitate the stirring.

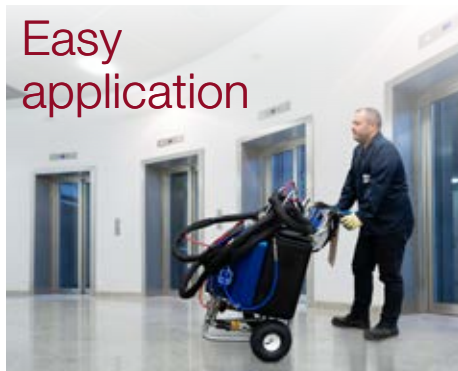
Influence of the temperature on the viscosity

In comparison with a standard polyurea system, both components of POLYRESYST® S3040 polyurea system have the same viscosity profile and reach a low viscosity as from 35° C.

As from 50° C, only 100 bar pressure is required to ensure a good impingement mixing resulting in the high end mechanical properties of polyurea systems.



The Typical properties can vary depending on local circumstances and application. These properties are not part of the specifications of POLYRESYST® S3040 polyurea system

POLYRESYST® POLYUREA SYSTEMS - KEY CHARACTERISTICS**Easy application****For touch-ups and small to large projects**

The range of POLYRESYST® polyurea systems comprises a wide range of grades that are specially designed to accommodate challenging applications. Their consistent curing speeds permit an effortless vertical or overhead non-drip application, helping you to get the smoothest results. For small to medium projects, POLYRESYST® low viscosity polyurea systems can be used with compact and portable spray equipment, enabling easier application.

Superfast cure and return to service**Enabling higher production output**

Under normal equipment operating conditions, both components of the polyurea spray system will react almost instantaneously. Typically, the gel and tack free times are within 15 seconds, enabling higher production throughput and a superfast return to service for coating application work.

Excellent physical properties**Resulting in strong industrial solutions**

POLYRESYST® polyurea systems are popular in a variety of coating and non-coating projects requiring excellent physical properties, including tensile strength, tear strength and elongation. They offer excellent adhesion to substrates such as concrete, wood, asphalt and blasted steel. Typical applications include pipeline coatings, secondary containment, synthetic stucco coatings, concrete coatings, railcar coatings, foam and EPS coatings, tank linings, part production, truck bed liners, waterproofing and floor joint / seam sealants.

Towards a sustainable solution

Huntsman is dedicated to developing sustainable solutions that can support the industry's environmental ambitions. As signatory to the United Nations Global Compact (UNGC) - the world's largest voluntary corporate citizenship initiative - our work is guided by the UN's 17 Sustainable Development Goals. All 17 UN Sustainable Development Goals are important to our business - with three of them of particular relevance to our work in the coating and adhesive sectors:



- Non-drip application
- Durability



- Excellent adhesion on variety of substrates
- Thermal stability
- Waterproofing
- Abrasion resistance



- Fast cure
- Durability of performance
- Extending substrate lifetime and reducing maintenance requirements
- Adaptable to compact and portable spray equipment for optimal resources efficiency

CONTACT US

A global provider of innovative solutions and one of the leaders in MDI based polyurethanes, Huntsman is proud of their long and successful track record of delivering PU resins for coating applications. Huntsman is dedicated to providing our customers with the finest quality of products and services available. Our technical experts are ready to work in partnership with you on your next project and help solve complex design issues with differentiated, bespoke, cost effective solutions.

We invite you to contact us for further information or immediate assistance at polyurethanes_eu@huntsman.com

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