

# Polyaspartic Spray Coating for Enhanced Surface Quality

with **Borchi® Gol** flow & leveling agents

Clearcoat for automotive refinish applications



- Rapid-cure formulation with the surface quality of traditional 2K PU coatings
- Improves surface quality without impacting dry times, pot life, or viscosity

## Traditional 2K PU clearcoat

VOC level  $\approx$  575 g/L



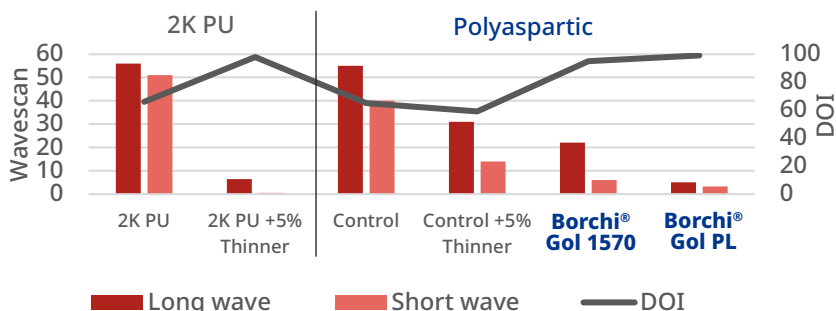
## Polyaspartic clearcoat

VOC <420 g/L (in line with EU and USA regulations)



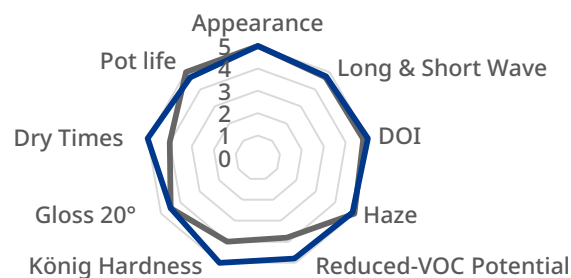
## Comparable Wave & Clarity to 2K PU

Wavescan & Distinctness of Image (DOI)



## Performance Attributes

0=poor, 5=excellent



— 2K PU +5% Thinner — Polyaspartic with Borchi® Gol

Starting point formulation on the back →

# Polyaspartic Spray Coating for Enhanced Surface Quality

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## Clearcoat for Automotive Refinish Spray Applications

| Material                                                                | Function                          | Supplier | % by weight |                     |                  |                |
|-------------------------------------------------------------------------|-----------------------------------|----------|-------------|---------------------|------------------|----------------|
|                                                                         |                                   |          | Control     | Control +5% Thinner | Borchi® Gol 1570 | Borchi® Gol PL |
| Component A                                                             |                                   |          |             |                     |                  |                |
| Desmophen CQ NH 1423 LF                                                 | Resin                             | Covestro | 28.73       | 28.73               | 28.73            | 28.73          |
| Desmophen CQ NH 1520                                                    |                                   |          | 3.19        | 3.19                | 3.19             | 3.19           |
| Butyl acetate (Control)                                                 | Solvent/Thinner                   | —        | 0.89        |                     |                  |                |
| Butyl acetate (Control + 5% Thinner)                                    |                                   |          |             | 0.89+5              |                  |                |
| 10% Borchi® Gol 1570 in butyl acetate                                   | Flow & Leveling Agents            | Milliken |             |                     | 0.89             |                |
| 10% Borchi® Gol PL in butyl acetate                                     |                                   |          |             |                     |                  | 0.89           |
| Tinuvin 292, 50% in butyl acetate                                       | Light stabilizer                  | BASF     | 0.59        | 0.59                | 0.59             | 0.59           |
| Songsorb CS AQ 01, 50% in butyl acetate                                 | UV absorber                       | Songwon  | 0.89        | 0.89                | 0.89             | 0.89           |
| Additive OF                                                             | Moisture scavenger and stabilizer | Milliken | 3.00        | 3.00                | 3.00             | 3.00           |
| Butylacetate:xylene:1-methoxy-2-propylacetate:solvent naphtha (5:1:1:1) | Solvents                          | —        | 10.31       | 10.31               | 10.31            | 10.31          |
| Component B                                                             |                                   |          |             |                     |                  |                |
| Desmodur Ultra N 3790 BA                                                | Hardener                          | Covestro | 30.28       | 30.28               | 30.28            | 30.28          |
| Butyl acetate (Control)                                                 | Solvent                           | —        | 22.12       | 22.12               | 22.12            | 22.12          |
| VOC g/L                                                                 | —                                 | —        | 404         | 430                 | 404              | 404            |

Meets:

- European Union limit of <420 g/L
- USA limit of 600/630 g/L

NCO/OH ratio: 1.1/1



Please visit our website to **request a sample**

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*Milliken*