



SYNTRAN® Polymers

For Concrete coatings

ZS INTERPOLYMER offers a range of waterbased acrylics that can be used in concrete coatings based on multiple proprietary technologies. These technologies all impart unique properties to the finished coatings:

Self-crosslinking technology combines two different crosslinking mechanisms on the same polymer backbone, which substantially increase the chemical resistance, stain resistance and water resistance of the cured polymer film. This technology was designed for the self-crosslinking mechanism to fully cure at room temperature, but maintain standard, long-term shelf stability.

High Solids Technology creates a film with very high flexibility, excellent water resistance, and excellent coverage. This technology also allows for excellent adhesion and bond strength over multiple substrate types.

Product Range

| SYNTRAN® acrylics | | | | | |
|-------------------|-----|------------|-----------|-------------------|--|
| | pH | Solids (%) | MFFT (°C) | Technology | Applications |
| 1655 | 8.0 | 40 | 74°C | Self-crosslinking | Sealers and topcoats |
| 1657 | 7.5 | 42 | 55°C | Self-crosslinking | Sealers and topcoats |
| 1693 | 7.5 | 42 | 15°C | Self-crosslinking | Primers, sealers, stains, and decorative |
| 6200 | 7.5 | 50 | 5°C | High solids | Admixures, masonry, and elastomeric |
| 6209 | 7.0 | 57 | -5°C | High solids | Admixures, masonry, and elastomeric |
| 6211 | 7.0 | 50 | -10°C | High solids | Admixures, masonry, and elastomeric |

These SYNTRAN® acrylic polymers are used in multiple markets to give improved performance over traditional acrylic emulsions. Since these are an ZS INTERPOLYMER internally developed technology, we are able to develop tailor-made solutions based on customer requirements.

Applications

- Driveway, garage, pool and patio coatings
- Decorative stain sealers and penetrating sealers
- Patching mortar and bonding agent

Formulating Guidelines

Clear Sealer F74-071-02 @30%nv

| Ingredient | % wt |
|-----------------|--------------|
| Water | 25.35 |
| Ethylene glycol | 1.08 |
| Texanol | 1.73 |
| Defoamer | 0.35 |
| Leveler | 0.35 |
| SYNTRAN® 1693 | 71.14 |
| <i>Total</i> | <i>100.0</i> |

Clear Topcoat F74-057-18 @30%nv

| Ingredient | % wt |
|-------------------------------|--------------|
| Water | 29.12 |
| Benzoflex 9-88 | 2.87 |
| Diethylene glycol ethyl ether | 2.68 |
| Defoamer | 0.10 |
| Leveler | 1.50 |
| SYNTRAN® 1657 | 63.03 |
| Rheology Modifier | 0.70 |
| <i>Total</i> | <i>100.0</i> |

Patching Mortar F74-067-04

| Ingredient | % wt |
|--------------------------|--------------|
| Sand | 61.0 |
| Portland Cement (Type 1) | 20.4 |
| Water | 13.6 |
| SYNTRAN® 6200 | 5.0 |
| <i>Total</i> | <i>100.0</i> |



Our company

ZS INTERPOLYMER has been producing waterbased specialty polymers since 1963. We manufacture at 4 facilities worldwide (2 in the United States, 1 each in France and China). ZS INTERPOLYMER is a market leader in several application fields:

- Surface care: Polymers for floor care, carpet cleaners and leather care.
- Consumer specialties: Polymers for mascara, household, hair- and skin- care products, etc.
- Industrial specialties: Functional binders for specialty paint and coating applications, polymers for overprint varnishes and inks, flocculants for ceramics, retanning agents.

With close working relationships with customers, our company produces tailor-made products in order to match specific needs. Our technical service and research and development centers will be your creative and innovative partners.

The suggestions and data included are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale. It is the buyer's responsibility to determine the suitability of the above formulation through quality control and field testing. Suggestions for uses of our products should not be understood as recommendations that they be used in violation of any existing or pending patents.