



**ATTIKA**  
Resin's expert

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## SYNTHALAT A 065 (RUS)

|                                      |   |           |
|--------------------------------------|---|-----------|
| <b>Manufacturer:</b>                 | Attika Co. Ltd., Russia   |           |
| <b>Characteristics:</b>              | Polyisocyanate-curing acrylic resin   |           |
| <b>Supplied as:</b>                  | 50% in butyl acetate  |           |
| <b>Use:</b>                          | Together with aliphatic polyisocyanate for 2-component industrial coatings for hot and cold drying with good flexibility and high wear resistance and weather resistance  |           |
| <b>Properties:</b>                   | <u>Hydroxyl value</u><br>(Russia state standard (GOST) 25261)   | 60-70     |
|                                      | <u>Hydroxyl content, %</u>  | ok. 2,0   |
|                                      | <u>Viscosity, sec</u><br>(50% solution in xylene)<br>(Russia state standard (GOST) 25271)   | 200-300   |
|                                      | <u>Gardner colour value</u><br>(Russia state standard (GOST) 19266)   | < 2       |
|                                      | <u>Non-volatile content, %</u><br>(Russia state standard (GOST) 31939)  | 48,0-52,0 |
|                                      | <u>Flash Point, °C</u><br>(ISO 13736)   | 25        |
|                                      | <u>Density, g/ml</u><br>(Russia state standard (GOST) 31992.1)  | 0,9       |
| <b>Properties and fields of use:</b> | <p>SYNTHALAT-A 065 is used primarily in combination with aliphatic polyisocyanates for air- and stove-drying coatings for metals, wood and plastics. These types of 2 component coatings should be used preferably in instances where high coating qualities are required but where stoving is impossible due to the size or heat-sensitivity of the object to be coated.</p>   |           |
| <b>Film properties:</b>              | <p>In combination with aliphatic polyisocyanates like „Attonate AL“, non-yellowing films are obtained that have excellent weatering resistance. These types of coatings are characterized by a very rapid physical drying and they produce harder films than those on the basis of A 045 and A 085. However, the abrasion resistance of the more densely linked A 150 is not quite attained. They are also distinguished by good water resistance and good resistance to corrosive chemicals.</p> |           |



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**Pigmentation:**

All neutral pigments and fillers are suitable for pigmentation. Basic pigments and pigments containing soluble metallic compounds may exert a catalytic effect on curing and shorten the pot life of finished mixed batches.

**Mixing ratio with**

**polyisocyanates:** Assuming equivalent reaction of the reactive groups (NCO : OH = 1:1), the following formula applies for calculation of the amount of polyisocyanate to be added (relative to 100 part by weight of SYNTHALAT-A 065, solid):

$$\frac{42 \times 100 \times 2.0}{17 \times \text{NCO}\%}$$

42 = molecular weight of NCO groups  
17 = molecular weight of OH groups  
2.0 = % hydroxyl content of Synthalat-A 065, relative to non-volatile content

**Shelf-life:** When properly stored, at least one year.