

# Acolan<sup>®</sup> ARTI-TOP M



Article No. 6740

Solvent-free, transparent, matt single component sealant on a UV-resistant, polyurethane base.

**Product Properties:**

Easy to apply, UV resistant, easy-care floor sealer

**Range of use:**

Transparent sealer for Artico ArtiVlor and smooth Acolan Floor Coatings leaving a mat (Acolan Arti-Top m, Art.Nr. 6740) or silk gloss (Acolan Arti-Top sg, Art.Nr. 6741) surface appearance.

**Characteristic data of the product:**

**Solid Content:** 100 %  
**Viscosity at 20°C:** 200 mPas  
**Density:** 1.12 g/cm<sup>3</sup>  
**Colour:** colourless  
**Flash Point:** > 156°C  
**Odour:** odourless  
**Solvent free according to DBC:** yes

**Hardening time at 20°C/60 % relative air humidity:**

Foot traffic after: 12 hours  
 Full mechanical and chemical loading capacity: 7 days  
 Stick-free after: 8 hours  
 Can be coated over after: 16 hours  
 Lower temperatures and lower air humidity values increase hardening times.

**Early water resistance:** 12 hours

**Working temperatures:**

substrate: min. 10°C max. 30°C  
 product: min. 10°C max. 30°C  
 air: min. 10°C and 3°C above dew point  
 Air humidity: 40 - 90 %  
 Waiting time between single coatings:  
 at 10°C: min. 32 hours max. 6 days  
 at 20°C: min. 16 hours max. 4 days

Abrasion resistance according to Taber:  
 0.05 g at 1000 rev., 1000 g load, CS 17

**Yellowing effect:** light-fast

**Substrates:**

The surfaces to be treated must be clean, dry, free from fat and oil and suitable for subsequent coatings. Soiling and

substances with a parting effect should be removed by suitable means.

**Working directions:**

As a transparent seal coat on ArtiVlor, resp. smooth Viscacid Floor Coatings, apply Arti-Top evenly onto the prepared surface by means of a suitable PU roller. The application rate may not exceed 100 g/m<sup>2</sup>. The treated surface must be rolled over with a dry epoxy roller within 10 minutes.

**Notice:**

Ambient temperature and the temperature of the substrate should not fall below +10°C. Hardening is accelerated at higher temperatures and delayed at lower temperatures. The formation of condensation on surfaces to be coated which often occurs if the temperature falls below the condensation point temperature considerably reduces adhesional strength. In the case of multiple-layered construction, the subsequent layer should never be applied if the temperature of the substrate is less than or equal to the condensation point temperature. For this reason, the condensation point temperature should be at least 3°C below the temperature of the substrate to be coated. (To determine the condensation point temperature, relative humidity and air temperature are measured with, e.g. a thermohygrometer and determined with the aid of a condensation point table – see next page.) If the temperature relationship is unfavourable, the use of heating equipment will be required.

Condensation temperature of the air dependent on temperature and relative humidity of the air:

Air temp °C	Condensation point temperature <sup>1)</sup> in °C with a relative humidity of:															
	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%		
30	10.5	12.9	14.9	16.8	18.4	20.0	21.8	22.7	23.9	25.1	26.2	27.2	28.2	29.1		
29	9.7	12.0	14.0	15.9	17.5	19.0	20.8	21.7	23.0	24.1	25.2	26.2	27.2	28.1		
28	8.8	11.1	13.1	15.0	16.6	18.1	19.5	20.8	22.0	23.2	24.2	25.2	26.2	27.1		
27	8.0	10.2	12.2	14.1	15.7	17.2	18.6	19.9	21.1	22.2	23.3	24.3	25.2	26.1		
26	7.1	9.4	11.4	13.2	14.8	16.3	17.6	18.9	20.1	21.2	22.3	23.3	24.2	25.1		
25	6.2	8.5	10.5	12.2	13.9	15.3	16.7	18.0	19.1	20.3	21.3	22.3	23.2	24.1		
24	5.4	7.6	9.6	11.3	12.9	14.4	15.8	17.0	18.2	19.3	20.3	21.3	22.3	23.1		
23	4.5	6.7	8.7	10.4	12.0	13.5	14.8	16.1	17.2	18.3	19.4	20.3	21.3	22.2		
22	3.6	5.9	7.8	9.5	11.1	12.5	13.9	15.1	16.3	17.4	18.4	19.4	20.3	21.3		
21	2.8	5.0	6.9	8.6	10.2	11.6	12.9	14.2	15.3	16.4	17.4	18.4	19.3	20.2		
20	1.9	4.1	6.0	7.7	9.3	10.7	12.0	13.2	14.4	15.4	16.4	17.4	18.3	19.2		
19	1.0	3.2	5.1	6.8	8.3	9.8	11.1	12.3	13.4	14.5	15.5	16.4	17.3	18.2		
18	0.2	2.3	4.2	5.9	7.4	8.8	10.1	11.3	12.5	13.5	14.5	15.4	16.3	17.2		
17	-0.6	1.4	3.3	5.0	6.5	7.9	9.2	10.4	11.5	12.5	13.5	14.5	15.3	16.2		
16	-1.4	0.5	2.4	4.1	5.6	7.0	8.2	9.4	10.5	11.6	12.6	13.5	14.4	15.2		
15	-2.2	-0.3	1.5	3.2	4.7	6.1	7.3	8.5	9.6	10.6	11.6	12.5	13.4	14.2		
14	-2.9	-1.0	0.6	2.3	3.7	5.1	6.3	7.5	8.6	9.6	10.6	11.5	12.4	13.2		
13	-3.7	-1.9	-0.1	1.3	2.8	4.2	5.5	6.6	7.7	8.7	9.6	10.5	11.4	12.2		
12	-4.5	-2.6	-1.0	0.4	1.9	3.2	4.5	5.7	6.7	7.7	8.7	9.6	10.4	11.2		
11	-5.2	-3.4	-1.8	-0.4	1.0	2.3	3.5	4.7	5.8	6.7	7.7	8.6	9.4	10.2		
10	-6.0	-4.2	-2.6	-1.2	0.1	1.4	2.6	3.7	4.8	5.8	6.7	7.6	8.4	9.2		

<sup>1)</sup> Approximations may be interpolated linearly.

## Technical Information Sheet

### Maintenance information:

Base cleaning with e.g. Avena Clean Stripping Agent  
Maintenance with neutral cleaners

### Tools and cleaning:

PU and epoxy roller (solvent resistant), spiked shoes,  
protective gloves.  
Clean tools and any spilled material immediately while fresh  
with V 101 thinner.

### Packaging, application rate and storing:

**Packaging:** 2.5 kg

### Application rate:

An application rate may under no circumstances exceed 100  
g/m<sup>2</sup>, as there is risk of foam formation.

### Shelf-life:

At least 6 months in original, unopened and unmixed  
containers stored cool but frost-free.

### Safety, ecology, disposal:

Further information concerning safety during transport, storage  
and handling as well as for disposal is found in the latest  
Safety Data Sheet.

GISCODE: PU 40

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