

Acolan[®] ADD 01



Article No. 6270

Solvent-free, silicone organic bonding agent to be used in combination with Acolan QuickFill.

Property profile:

The use of Acolan Add 01 improves adhesive properties of Acolan QuickFill on weakly absorbent, ceramic substrates in interior areas.

System components:

- Acolan QuickFill Art.No. 6276
- Acolan Add 01 Art.No. 6270

Range of use:

In combination with Acolan QuickFill used as a priming or smoothing filler for levelling smaller unevenness and roughness profiles on interior substrates with residual moisture or weakly absorbent, ceramic substrates like e.g. tiles.

Characteristic data of the product in the packaged state:

Colour:	colourless, transparent	
Odour:	characteristic	
Density at 20°C:	1.07 g/cm ³	
Viscosity at 25°C:	20 mPas	
Flash point:	57°C	

Data for application:

Mixing ratio:

1 bottle Acolan Add 01 (0.15 kg) for 10 kg Acolan QuickFill

Working temperatures:

substrate:	min. 10°C	max. 30°C
product:	min. 10°C	max. 30°C
air:	min. 10°C	max. 40°C

Substrates:

All sufficiently load-bearing, cement bound materials such as concrete and cement screeds are suitable. The minimum compressive strength of the substrate must be 25 N/mm² and minimum tear strength 1.5 N/mm². Floor slabs should be protected in a suitable manner against rising capillary moisture. The surfaces to be treated must be clean. Soiling, cement skin or layers of silicate, substances with a parting effect such as oil, grease, paraffin, abraded rubber, parting and curing agents and the remains of coatings should be removed by steel ball jetting (Blastrac), sandblasting, flame blasting or grinding. Remove dust thoroughly afterward with an industrial vacuum cleaner.

Directions:

The two components are packaged in a special container in the proper mixing ratio. Produce the mixture according to the DBV Code of Practice "Using Cold-Cured Resins in Concrete Construction – part 3.2 – Using Cold-Cured Resins on Concrete". The hardener component (B) should be completely added to the resin component (A). Use suitable mixing equipment when mixing filled systems, e.g. a Beba Positive Mixer, mixing with a max. speed of 400 rpm. **For use on tiles or similar, Acolan Add 01 is added with the hardener component of Acolan QuickFill. A minimum mixing time of 3 minutes should be observed.** The larger the amount to be mixed and/or the more viscous the components, the longer the material needs to be mixed. Streaks indicate insufficient mixing. Especially when the components have different viscosity, the lesser mixed material that adheres to the sides and bottom of the container as well as on mixing tools should be scraped off and returned to the mixture. The mixture should then be filled into a separate, clean container and mixed again. It is then ready to use. Insufficiently mixed material causes the formation of blisters and soft, incompletely reacted spots. Then apply the material in the designated manner (see Technical Information Sheet for Acolan QuickFill).

Guidelines for working:

The 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-layer construction, the following 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.) If the temperature relationship is unfavourable, the use of heating equipment will be required. To avoid adhesion problems on multiple-layered construction, each lower layer should be blinded with quartz sand.

Technical Information Sheet

Air temp	Condensation point temperature ¹⁾ in °C with a relative humidity of:													
°C	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%
30	10.5	12.9	14.9	16.8	18.8	20.0	21.4	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	20.4	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	6.4	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

¹⁾ Approximations may be interpolated linearly.

Tools and cleaning:

Mixing equipment to the counter-current principle, smoothing trowel, notched trowel with toothed blade no. 25 for the application of Acolan QuickFill.

Clean tools, equipment and any spilled material immediately while fresh with V 101 (Art.No. 0978). In the hardened state, cleaning can only be done mechanically.

Packaging, application rate and storing:

Packaging: 0.15 kg plastic bottle

Application rate: 1 bottle for a 10 kg pack of Acolan QuickFill

Shelf-life: At least 3 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.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques. Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet.

Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid.

With the publication of this Technical Information Sheet all previous editions are no longer valid.