



Easy-to-clean interior dispersion paint, no co-solvent, matte top hiding, highly wet-scrub resistant, cleanable

Basis Straight acrylic dispersion

| | | Control | AKTISIL MAM |
|--------------------|---|---------------|---------------|
| | L 00007.2 | [1] | [58] |
| Component A | Demineralized water | 148.4 | 148.4 |
| | Natrosol 250 HR (1) | 2.2 | 2.2 |
| | Dispex CX 4320 (2) | 7.0 | 7.0 |
| | Acticide MV (3) | 1.0 | 1.0 |
| | Silres BS 16, 20 % in water (4) | 3.4 | 3.4 |
| | Foamaster MO 2150 (2) | 2.0 | 2.0 |
| Component B | Tiona 828 (5) | 257.0 | 257.0 |
| | Combination of diatomaceous earth and nepheline syenite | 166.0 | --- |
| | AKTISIL MAM (6) | --- | 166.0 |
| Component C | Acronal Plus 6282 (2) | 407.0 | 407.0 |
| | Rheovis HS 1212 (2) | 2.0 | 2.0 |
| | Foamaster MO 2150 (2) | 4.0 | 4.0 |
| | Demineralized water | 50.0 | 50.0 |
| | Total parts by weight | 1050.0 | 1050.0 |

Recomendation Instead of the combination of diatomaceous earth and nepheline syenite, AKTISIL MAM offers:

- easier and gentle stain removal already by damp wiping
- superior stain resistance and significantly reduced soiling
- optimized wet-scrub resistance at low gloss level
- due to the additionally improved hiding power optimized overall property profile based on only one filler

Mixing

- component A: charge water and add Natrosol, let swell approx. 30 min while stirring
- add remaining ingredients of component A and stir for another 5 min
- premix and add component B, disperse by dissolver under cooling with water
- complete by component C and stir for another 5 min

The properties were determined on films applied with a doctor blade.

Suppliers

- (1) Ashland
- (2) BASF
- (3) Thor
- (4) Wacker Chemie
- (5) Tronox
- (6) HOFFMANN MINERAL



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|---------------------------------------|--|------|------------|-------------|--|
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| Technical Data | Solids content w/w | % | 60.1 | 60.1 | |
| | Titanium dioxide content w/w | % | 24.5 | 24.5 | |
| | PVC | % | 41.7 | 41.4 | |
| | Dynamic viscosity, 23 °C | | | | |
| | at 0.1 s ⁻¹ | Pa·s | 167 | 193 | |
| | at 1000 s ⁻¹ | Pa·s | 0.20 | 0.34 | |
| | Storage stability 6 months, 23 °C | | very good | very good | |
| Properties | Color d/8°, DIN 5033-1 | | | | |
| | L* | | 96.3 | 96.4 | |
| | a* | | -0.7 | -0.6 | |
| | b* | | 1.0 | 2.2 | |
| | Gloss increase (dry burnish), based on ISO 11998 | | | | |
| | dry cloth / 200 cycles / gloss 85° | GU | +0.7 | +1.4 | |
| | <u>Classification along with DIN EN 13300</u> | | | | |
| | Degree of gloss, ISO 2813 | | dull matte | matte | |
| | Gloss 85° | GU | 3.7 | 9.7 | |
| | Wet-scrub resistance, ISO 11998 | | | | |
| Class | | 1 | 1 | | |
| Abrasion loss after 200 cycles | µm | 4.6 | 3.2 | | |
| Hiding power, ISO 6504-3 | | | | | |
| Class | | 2 | 2 | | |
| Spreading rate at contrast ratio 98 % | m ² /l | 9.5 | 11.8 | | |



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|-----------|---------|-------------|
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Classification cleanability / common household stains

Color shift ΔE^* , average

| | | |
|--|-----|-----|
| 5 min exposure time, wiped off with damp cloth | 1.6 | 0.8 |
| additionally 100 cycles wet-scrubbed | 0.9 | 0.3 |
| 120 min exposure time, wiped off with damp cloth | 6.8 | 2.7 |
| additionally 100 cycles wet-scrubbed | 5.0 | 1.5 |

Photo: Individual results after 120 min exposure time and additionally 100 cycles wet-scrubbed



More information on this topic.

[Neuburg Siliceous Earth in Cleanable, Low-Gloss Interior Emulsion Paints](#)

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