

Heubach formulation No. 03251

05/03

| FUNCTION | PRODUCT | PRODUCER | PBW |
|-------------------------------------------------------------------|-------------------------|------------------------------|-------|
| Polyurethane dispersion | Halwedrol OX 48/40 W | Hüttenes Albertus, today DSM | 33.70 |
| Dispersing agent | Disperbyk-184 | Byk-Chemie | 1.00 |
| Defoamer | Efka-2526 | Efka, today Ciba | 0.60 |
| Defoamer | Byk-020 | Byk-Chemie | 0.60 |
| Premix. | | | |
| Anticorrosive pigment | HEUCOPHOS® ZAM-PLUS | Heubach | 9.15 |
| Corrosion inhibitor | HEUCORIN® RZ | Heubach | 1.00 |
| Titanium dioxide | Tronox R-KB-6 | Kerr-McGee | 14.80 |
| Magnesium silicate | Talkum 10 M 2 | Talc de Luzenac | 7.40 |
| Magnesium aluminium silicate | Plastorit M | Naintsch, today Luzenac | 4.90 |
| Antisettling agent | Aerosil R 972 | Degussa, today Evonik | 0.50 |
| Grind with a bead mill, fineness of grind app. 20 microns. | | | |
| Drier | Aquacat | Ultra Additives | 0.25 |
| Drier | Magnacat | Ultra Additives | 0.40 |
| Glycol ether | Butyl glycol | | 0.65 |
| Premix and add while mixing. | | | |
| | Water | | 5.10 |
| Polyurethane dispersion | Halwedrol OX 48/40 W | Hüttenes Albertus, today DSM | 17.00 |
| Glycol ether | Butyl glycol | | 0.50 |
| Flash-rust inhibitor | Corrosion inhibitor L 1 | Erbslöh | 0.40 |
| Antiskinning agent | Exkin 2 | Condea Servo | 0.20 |
| Levelling agent | Troysol LAC | Troy Chemical | 0.40 |
| Add while mixing. | | | |
| | Water | | 0.95 |
| Thickener | Viscalex HV30 | Ciba | 0.25 |

HEUCOPHOS[®] ZAM-PLUS / HEUCORIN[®] RZ

in 1-part polyurethane



Water based

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|---------------------------------------------------|----------------------|----------|---------------|
| Neutralizing agent | Dimethylethanolamine | | 0.05 |
| Mix until uniform paste prior to addition. | | | |
| PU-thickener | Collacral PU 85 | BASF | 0.10 |
| Glycol ether | Butyl glycol | | 0.10 |
| Premix and add while mixing. | | | |
| | | | 100.00 |
| SPECIFICATIONS | | | |
| PVC in % | | | 35.4 |
| PVC / CPVC | | | 0.6 |
| Solids in % | | | 60.1 |
| Vol.-% Anticorrosive pigment reg. pigment/filler | | | 22.3 |

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