

# Zinc Phosphate PZ20

in oven bake dehydrated castor oil alkyd

Guiding formulation/REF 20026ML1  
VIALKYD AR 308/50LG

Dry film thickness: **40 microns**  
Application on **CRS** using a spray gun  
Salt spray resistance **450hrs** according to the ASTM B-117

| RAW-MATERIALS                              | % WEIGHT    | DESCRIPTION                            | SUPPLIERS             |
|--------------------------------------------|-------------|----------------------------------------|-----------------------|
| <i>Mix in the following order</i>          |             |                                        |                       |
| VIALKYD AR 308/50LG                        | 14.65       | Short (dehydrated castor oil)<br>Alkyd | CYTEC                 |
| SOLVESSO 100                               | 3.50        | Aromatic Hydrocarbon Solvent           |                       |
| ISOBUTYL ALCOHOL                           | 2.00        | Solvent                                |                       |
| ANTITERRA 203                              | 0.15        | Dispersing and wetting agent           | BYK CHEMIE            |
| XYLENE                                     | 3.50        | Aromatic hydrocarbon solvent           |                       |
| BENTONE SD2                                | 0.25        | Rheological agent                      | ELEMENTIS SPECIALTIES |
| <i>Mix until homogeneous preparation</i>   |             |                                        |                       |
| TiO <sub>2</sub> TR92                      | 10.00       | Rutile                                 | HUNSTMANN             |
| <b>Zinc phosphate PZ20</b>                 | <b>5.00</b> | <b>anticorrosive pigment</b>           | <b>SNCZ</b>           |
| TALC 10M2                                  | 5.00        | Filler                                 | IMERYS                |
| MICA SOFT 15                               | 1.40        | filler                                 | CMMP                  |
| ELFTEX 125                                 | 0.15        | Carbon black                           | CABOT                 |
| <i>Mill grind till 6 on a Hegman gauge</i> |             |                                        |                       |
| MAPRENAL MF 580                            | 17.60       | Ether melamine formalhedyhe<br>binder  | INEOS                 |
| VIALKYD AR 308/50LG                        | 36.80       | Short (dehydrated castor oil)<br>Alkyd | CYTEC                 |
| <b>TOTAL WEIGHT</b>                        | <b>100</b>  |                                        |                       |
| <b>Bake at 120°C (248°F) for 30mn</b>      |             |                                        |                       |



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## Properties

|                              |       |
|------------------------------|-------|
| PVC % :                      | 16.24 |
| Solids % :                   | 57.24 |
| Volumic solids % :           | 44.79 |
| Pigment/Binder ratio (vol) : | 0.19  |

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