

# 2K AIR DRYING WHITE PAINT

## BASE

| RAW MATERIAL      | QTY IN %      |
|-------------------|---------------|
| TiO2 Rutile       | 28.00         |
| Macryl – 7333 60% | 57.00         |
| PAT ADD DA – 932  | 0.80          |
| Zinc Octate (6%)  | 0.53          |
| PAT AF – 62       | 0.20          |
| Butyl Acetate     | 4.40          |
| Xylene            | 5.67          |
| PMA               | 2.00          |
| AFCONA – 3033     | 0.40          |
| 1% DBTL Soln      | 1.00          |
| <b>Total</b>      | <b>100.00</b> |

## HARDNER COMPONENT

| RAW MATERIAL    | QTY IN %      |
|-----------------|---------------|
| Desmodur N – 75 | 59.00         |
| Xylene          | 21.00         |
| Butyl Acetate   | 20.00         |
| <b>Total</b>    | <b>100.00</b> |

## MIXING RATIO

| RAW MATERIAL       | BY VOLUME |
|--------------------|-----------|
| Base               | 4.00      |
| Hardener Component | 1.00      |



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## THINNER COMPOSITION

| RAW MATERIAL           | QTY IN WEIGHT (Kg) |
|------------------------|--------------------|
| Xylene                 | 70.00              |
| Butyl Acetate          | 20.00              |
| Ethyl Acetate          | 5.00               |
| PMA/Cellosolve Acetate | 5.00               |
| <b>Total</b>           | <b>100.00</b>      |

## PROPERTIES

|                                |                  |                     |
|--------------------------------|------------------|---------------------|
| Sp. Gravity                    | 0.96 ± 1%        |                     |
| Drying Time                    | Surface Dry      | 15 Minutes          |
|                                | Tack Free        | 2 – 3 Hours         |
|                                | Hard Dry         | Over Night          |
| Complete Cure                  | 7 Days           |                     |
| Pot Life                       | 2 – 3 Hours      |                     |
| DFT/Coat                       | 25 – 30 Microns  |                     |
| Salt Spray                     | 600 Hours Pass   |                     |
| QUV Data                       | Total Hours Pass | 1000 Hours          |
|                                | Gloss 20°        | 86                  |
|                                | Gloss 60°        | 94                  |
| Gloss Retention after QUV Test | 20°              | 75 After 1000 Hours |
|                                | 60°              | 93 After 1000 Hours |

## RAW MATERIAL DATA

| Raw Material     | Supplier Name | Purpose of Use            |
|------------------|---------------|---------------------------|
| TiO2             | Dupont        | Pigment                   |
| PAT ADD DA – 932 | Patcham       | Dispersing Agent          |
| Zinc Octate (6%) | Alpha Chemie  | Drier                     |
| PAT AF – 62      | Patcham       | Defoamer                  |
| AFCONA – 3033    | Afcona        | Leveling Agent            |
| 1% DBTL Soln     | SV Plastochem | Initiator                 |
| Desmodur N – 75  | Bayer         | Aliphatic Poly Isocyanate |



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