

# 1. SOLVENT-BASE THERMOPLASTIC ACRYLIC RESIN

| Grade     | Resin Type                   | Solvents                | solid content (±1.5%) | Viscosity G.H. (25°C)                                      | Color Gardner | Acid Value (Varnish) | Compatibility |          | Characteristics   | Uses   |
|-----------|------------------------------|-------------------------|-----------------------|--|---------------|----------------------|---------------|----------|---|--|
|           |                              |                         |                       |  |               |                      | 1/4" NC       | 1/2" CAB |   |  |
| AR-1042   | Thermo Plastic Acrylic Resin | Toluene                 | 40                    | U-X  | < G-1         | 2.5-4.5              | △             | ⊙        | Weather resistance, Chemical resistance, Crack resistance           | Lacquer Coating for Metal, wood Plastics                     |
| AR-1044   |                              | Toluene                 | 50                    | Y-Z <sub>2</sub>   | < G-1         | < 1                  | △             | ⊙        | Adhesive, Water resistance, Dissoluable With Alcohols.              | Coating for Al. Plastics, Primer for PVC-Metal               |
| AR-1053   |                              | Toluene/n-BOOH<br>9 : 1 | 50                    | Z-Z <sub>3</sub>   | < G-1         | 5-8                  | ⊙             | —        | Compatibility with alky resins, Chemical resistance, Gloss          | Auto body patching lacquer. Metal& Building material Coating |
| AR-1090F  |                              | Toluene/i-BUOH<br>1 : 1 | 50                    | Z+ <sub>1/2</sub> -Z <sub>3</sub>                          | < G-1         | < 3                  | △             | ⊙        | Hardness, Chemical resistance, Adhesive                             | Lacquer Coating for Plastics of PS, SBS, PP.                 |
| AR-1090FL |                              | Toluene/i-BUOH<br>1 : 1 | 50                    | X-Z  | < G-1         | < 3                  | △             | ⊙        | Low viscosity grade of AR-1090F, Gloss, Pigment dispersion          |  |
| AR-1093   |                              | Toluene/i-BOOH<br>1 : 1 | 50                    | X-Z  | < G-1         | < 1.5                | ○             | ⊙        | Hardness, Alcohols resistance, Abrasive Gloss                       |  |
| AR-1073   |                              | Xylene                  | 50                    | Y-Z <sub>1</sub>   | < G-1         | 1.5-4.5              | —             | ⊙        | Gloss, Weather resistance, Alkali resistance, Gloss                 |  |
| AR-1074   |                              | Xylene                  | 50                    | Z <sub>6</sub> <sup>+1</sup> -Z <sub>5</sub> <sup>+2</sup> | < G-1         | < 3                  | —             | —        | High viscosity, Weather resistance, Alkali resistance, Workability  | Masonry paints   |
| AR-1075   |                              | Xylene                  | 55                    | Z <sub>6</sub> <sup>+1</sup> -Z <sub>6</sub> <sup>+2</sup> | < G-1         | < 2.5                | —             | —        | High solid, content Alkali resistance, Hardness, Weather resistance |  |

## 2. PACKAGED SOLVENT-BASE ACRYLIC POLYOL RESIN

| Grade    | Resin Type                              | Solvents                  | Solid content (±1.5%) | Viscosity G.H. (25°C)          | Color Gardner | Acid Value (Varnish) | OH Value (Varnish) | Compatibility |          | Characteristics   | Uses   |
|----------|---|---------------------------|-----------------------|--------------------------------|---------------|----------------------|--------------------|---------------|----------|---|--|
|          |   |                           |                       |                                |               |                      |                    | 1/4" NC       | 1/2" CAB |   |  |
| AR-1780  | HIGH Solid Content Acrylic Polyol Resin | Xylene/n-BuAC<br>7 : 3    | 60                    | Y-Z <sub>2</sub>               | G-1           | < 5                  | 49±5               | ⊙             | ×        | Workability, High Solid content grade, Compatibility, Hardness, Fast curing | Wood, Plastics, Metal& Bulding Material finish               |
| AR-1781  |   | Toluene/n-BuAC<br>7 : 3   | 60                    | Z <sub>3</sub> -Z <sub>6</sub> | G-1           | < 5                  | 43±5               | ⊙             | ×        |   |  |
| AR-1780M |   | Xylene                    | 60                    | Y- Z <sub>2</sub>              | G-1           | < 5                  | 49±5               | ⊙             | ×        |   |  |
| AR-164   | Acrylic Polyol Resin                    | Toluene/MIBK<br>7 : 3     | 45                    | W-Z                            | G-1           | < 5                  | 27±5               | ⊙             | ⊙        | Fast curing, Hardness, Solvent resistance                                   | Wood finish, Bulding Material finish                         |
| AR-174   |   | Xylene/n-BuAC<br>7 : 3    | 50                    | V-Y                            | G-2           | < 5                  | 43±5               | ⊙             | ×        | Stain resistance, Hardness, Weather resistance, Fast curing                 | Metal anticorrosive coating Plastic& Bulding Material finish |
| AR-175   |   | Toluene/MIBK<br>7.5 : 2.5 | 50                    | J-O                            | G-2           | < 3                  | 45±5               | —             | ⊙        | Low viscosity, Pigment dispersion, Weather resistance                       |  |
| AR-602-2 |   | Xylene/n-BuAC<br>8 : 2    | 50                    | V-Y                            | G-1           | < 1.5                | 25±3               | ⊙             | ×        | Low OHV grade of AR-174, Hardness, Fast curing                              |  |

### 3. SOLVENT-BASE ACRYLIC RESIN FOR BAKING ENAMEL

| Grade    | Resin Type                   | Solvents                                 | solid content (±1.5%) | Viscosity G.H. (25°C) | Color Gardner | Acid Value (Varnish) | Suggested formula (Solid%) |        |        | Characteristics                              | Uses   |
|----------|------------------------------|--|-----------------------|-----------------------|---------------|----------------------|----------------------------|--------|--------|--|--|
|          |                              |  |                       |                       |               |                      | AR Resin                   | BR20SE | BE-501 |  |  |
| AR-784   | Thermo setting Acrylic Resin | Solvesso100/Xylene/n-Bu OH 3.5 : 5 : 2.7 | 50                    | W-y                   | G-2           | 6-10                 | 70                         | 20     | 10     | Flexible, Secondary Physical properties      | Metal anticorrosive coating Plastic& Bulding Material finish |
| AR-785-5 |                              | Xylene/n-BuOH 9 : 1                      | 50                    | V-Y                   | G-2           | 6-10                 | 70                         | 20     | 10     | Stain resistance, Chemical resistance, Gloss |  |
| AR-785M  |                              | Xylene/n-Bu OH 8 : 2                     | 50                    | W-Z                   | G-2           | 5-9                  | 70                         | 20     | 10     | Hardness, Chemical resistance, Gloss         |  |