



## High efficiency Dispersant YRFC-11 (Viscosity Reducer / Leveling Agent / Anti-settling Agent)

### 1. Property:

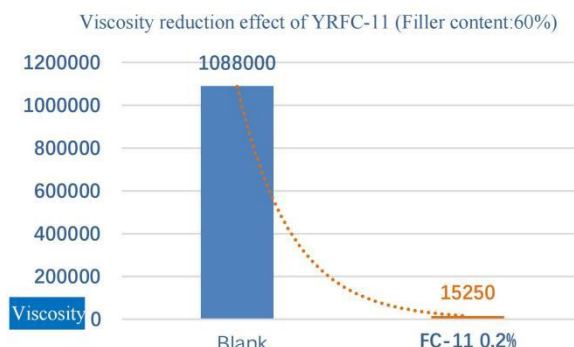
Brown transparent liquid with slight odor, slightly soluble in water, soluble in general polyurethane system. Typical physical property data are as follows:

Density g/cm<sup>3</sup> (25°C): 0.936  
Chroma(Fe-Co): ≤10  
Viscosity mPa.s (25°C): 850±200

### 2. Function and Application:

YRFC-11 is an efficient anti settling dispersant designed for solvent-free runways and silicon PU materials. The characteristic groups contained in its structure can be dispersed and adsorbed on the surface of a large number of powder particles by adding a very small amount, which effectively reduces the adsorption between powder particles, so as to reduce the viscosity of the system, improve the leveling property, reduce scratches, and prevent the accumulation and hardening of powder fillers. The application characteristics of the product are as follows:

- **The effect of viscosity reduction is immediate.** The experiment shows that for the medium viscosity system (the viscosity is about 10000mPa.s), the viscosity can be reduced by 70% if only 0.1-0.3% of the system powder is added; For some very high viscosity systems (the viscosity is about several hundred thousand centipoises), the viscosity can even be reduced to 1/10 - 1/20 of the blank.
- **Prevent settlement and hardening.** Even if cheap large particles (400 meshes) are used, they will not agglomerate and harden at the bottom of the barrel after long-term storage, and will disperse with a little stirring.
- **Effectively reduce surface defects such as bubbling, bulging and depression.** Significantly reduce the viscosity, improve the material fluidity, greatly improve the leveling during construction, reduce scratches, improve the wetness and filling of small holes on concave and convex substrates (such as cement foundation), and facilitate the timely discharge of air in the holes to reduce bubbles.
- **Reduce costs.** Benefit from the excellent viscosity reduction effect, the amount of filler can be increased to a certain extent to reduce the overall cost.



### 3. User's Guide:

Add it into the filler components while stirring, and cut them properly for even dispersion without special temperature control. The recommended dosage is 0.1-0.3% of the powder.

### 4. Handling & Storage:

Product should be stored in a cool, dry environment away from sunlight, excessive heat and rain. And pay attention to airtight storage.

### 5. Package: 25kg/200kg in HDPE drum

### 6. Shelf Life:

The unopened shelf life is 24 months from the date of manufacture. After the shelf life, if the dispersion and anti sedimentation are not reduced, it can still be used as qualified products.

Notes: All recommendation and technical information (whether verbal, written or by way of product evaluations), including any suggested formulations contained herein is provided for information purpose only and does not constitute a legal contract as well as suitable for relating to the third party rights. The conditions of your use and application of our products, technical assistance and information are beyond our control. Therefore, no guaranty or warranty for your evaluation is made. Consequently the user assumes all risks in connection with the use and handling of this product based on our technical information and recommendations, final determination of suitability of this product is the sole responsibility of the user.