

Product Data Sheet: Polymer HD7532

Polymer HD7532 is a waterborne, free from NMP as well as NEP, polycarbonate/polyester diol based, aliphatic polyurethane dispersion. Free hydroxyl groups available for isocyanate crosslinking.

Typical properties:

Type:	Aliphatic polyurethane dispersion
Appearance:	Yellowish/Bluish, slightly hazy liquid
Solids content (%):	34 ± 1 %
pH:	7.0 – 8.0
Viscosity (25°C; mPa·s):	10 – 60
Mean particle size (nm):	30 – 70
MFFT (°C):	20
Hardness (König Sec.)	160
Solvent content:	1 % DMM
Neutralization:	Amine
Preservatives:	MIT <100ppm ; BIT <100ppm

Film Properties:

- Excellent chemical and scuff resistance
- Good Flow-Out
- Non-Yellowing and Good Film Clarity
- Good toughness / hardness balance
- Excellent abrasion resistance
- Good scratch resistance

Recommendation for end-use:

- Wood – Joinery & Floor
- Plastics
- Metals

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Guide Formulation 1

Water based glossy parquet finish Based on Polymer HD7532

No.	Ingredient	Parts by Weight	Type of material
1	Polymer HD7532	85.0	Binder
2	Demi Water	4.2	n.a.
3	Dowanol DPM	3.0	Coalescent
4	Dowanol DPnB	1.3	Coalescent
5	Demi Water	1.3	n.a.
6	Byk 347	0.1	Levelling agent
7	Aquacer 515	4.3	Wax
8	Acrysol RM-825	0.2	Thickener
9	Byk 093	0.6	Defoamer

		100.0	

Preparation:

Add 1 to 8 in order listed at moderate speed.

Pre-mix ingredients 3 to 5.

Disperse ingredient 9 until crater free.

Specifications:

Solids (%w/w)	31
VOC (%)	5.1