

## Guide Formulations

# 2K PU Clearcoat - Industrial Flooring

Ref: Inz 2 Clear - 041

Part A	Material	Supplier	Amount (g)
Castor Oil based Polyester polyol	Albodur 956 VP	Alberdingk Boley	97.55
Defoamer	BYK-141	BYK	0.5
Defoamer	BYK-066N	BYK	0.5
Molecular Sieve	Sylosiv A3	Grace	0.3
Catalyst	TIB KAT 318	TIB Chemicals	0.05
Surface Additive	BYK-330	BYK	0.10
Oxazolidine Moisture Scavenger	Incozol 2	Incorez	1.00
			100

Part B	Material	Supplier	Parts by Weight
Polyisocyanate	Desmodur N3200	Covestro	96.80

NCO:OH = 1.10:1

**NOTE:** For a higher surface hardness we recommend to use [Desmodur XP 2838](#)

## Manufacturing Instructions – Part A

- In a clean and enclosed vessel (excluding moisture ingress) add Albodur 965 VP
- Add BYK-141 and BYK-066N under low shear. Mix until homogenous for about 15 mins.
- Add Sylosiv A3 (Molecular Sieve) into the above mixture under stirring. Disperse the mix under vacuum/nitrogen blanket
- To the above dispersed mixture of Polyol and molecular sieve add TIB KAT 318, BYK-330 and Incozol 2, mix until homogenous.
- The above mixture should be left for 18-24 hours for moisture scavenger to react with water.

**NOTE:** ALL THE ABOVE COMPONENTS SHOULD BE STIRRED UNDER [NITROGEN](#) BLANKET.

- Finally mix PART A and PART B together until homogenous, the mixture then is ready for use.

## Application Properties

Application Method	Roller Applied
Application rate	200-400g per sq.mt.

## Physical Properties

Pot life (mins)	30
Shore A hardness after 3 days	97
Shore D hardness after 3 days	67

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