

**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	ВҮК	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

 $\cdot$  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

Incorez acknowledges Alberdingk Boley for the support.

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