



## TECHNICAL DATASHEET

**PlayKote 5762** is a single component, moisture cured polyurethane. It has primarily been designed as a low cost means of binding together reconstituted rubber to produce sheeting for uses on: Sports Surfaces, Playground Surfaces and Underlay for synthetic grass in tennis courts

### Application

**PlayKote 5762** is an MDI system and therefore contains **NO FREE TDI**.

### Product Specification

Viscosity at 25°C (cPs)	4500 - 4900
Viscosity at 30°C (cPs)	2400 - 2800

### Formulations

Successful formulations to date include the following:

	MATERIAL	PARTS PER HUNDRED (pph)
A.	Rubber	90
	<b>PlayKote 5762</b>	10
	Water	0.17
B.	Rubber	80
	<b>PlayKote 5762</b>	20
	Water	0.35
C.	Rubber	70
	<b>PlayKote 5762</b>	30
	Water	0.5

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

## Physical Properties

Properties presented below are to be used as a guide and not intended for specification purposes.

	MATERIAL	PARTS PER HUNDRED (pph)	TACK FREE TIME 25°C (hours)
1.	Rubber	80	3.5
	<b>PlayKote 5762</b>	20	
2.	Rubber	80	3.0
	<b>PlayKote 5762</b>	20	
	Water	0.35	

\* **NOTE:** Tack free time is to be used only as a guide and not as a specification. The tack free time will be influenced by the relative humidity of the day and may increase or decrease. This must be taken into account.

## Processing Procedure

- Mix together thoroughly until rubber has been completely wetted out by **PlayKote 5762**. As a rule of thumb, the more **PlayKote 5762** added as a percentage of rubber, the stronger the matrix produced.
- Water may be added to the **PlayKote 5762** (0 - 2% by weight of **PlayKote 5762**) while mixing to shorten cure time and tack free time.  
**NOTE:** Should the ratio of water exceed 2%, foaming of the polymer may occur.
- The liquid matrix should be compression moulded, preferably under heat, (up to 150°C). It has been found that moulding between silicone coated paper prevents sticking and facilitates rapid demould.

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