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What is Ready to Use Roof: Standard & Plus?

It is a PMMA rapid curing waterproof system especially designed for flat roofs or those with pitches up to 6 degrees. Designed to save time and reduce labour costs, it delivers an extremely hard-wearing, fast-curing, chemical-resistant finish in any season. Powered by advanced methyl methacrylate (MMA) technology, it provides excellent UV protection and long-lasting mechanical durability to keep roofs performing at their best.

Why choose Ready to Use Roof: Standard & Plus

- ✓ Initial cure in under 1 hour
- ✓ Whole system can be applied in one day
- ✓ Ideal for repairs and detail work to Asphalt, Single Ply Membranes, Timber & Concrete
- ✓ Suitable for application over many existing coatings
- ✓ Ideal for newbuild or refurbishment
- ✓ Roofs can be trafficked the same day
- ✓ Primer not required on asphalt surfaces
- ✓ Non-slip system available in selected colours on request

✓ **Up to 20 Year Warranty**

✓ **Available with Warranty:**
Alltimes Ready To Use Systems are available with up to 20 year guarantees depending on the systems chosen

✓ **Wide Application Temp:**
Apply in temperatures of 0°C to +35°C (accelerator required below +5°C)

✓ **Fast Application:**
Due to speed of cure and low application temperatures, your deck, walkway or roof is back into service within 1 hour of the final layer of RTU

In Liquid Form

Feature:	Result:	
Pot Life after adding Catalyst/Hardener	5°C = 17 - 35 Minutes	30°C = 8 - 11 Minutes
Curing Times:	5°C = 25 - 45 Minutes	30°C = 10 - 20 Minutes
Full Traffic Time:	1 Hour (after final layer of RTU)	
Flash Point:	10°C (DIN 51755)	
Auto Ignition Temperature:	430°C (DIN 51794)	
Density:	1gm/l	
Vapour Density:	>1	
Application Temperature without Accelerator:	5°C to 35°C	
Application Temperature with Accelerator:	0°C to 5°C	
Storage Temperature:	20°C to 25°C	
Substrate Temperature:	Minimum 3°C (above dew point)	

In Cured Form

Feature:	Result:
Overcoatable:	With Itself
UV Resistant:	Excellent
Elongation at Break:	250%
Service Temperature:	-30°C to 60°C
Adhesion to Asphalt:	3.5MPa Substrate Failure

General Information

Feature:	Result:
Colours for RTU Roof:	Light Grey Ral 7045 (other colours on request)
Colour for RTU Clear Seal & Primers:	Clear
Form:	Viscose coloured liquid
Shelf Life at Optimum Conditions:	6 months between 20°C to 25°C
Coverage:	Will vary according to substrate
Application RTU Roof:	Trowel, Squeegee or roller
Application RTU Primers:	Short pile solvent resistant roller
Storage of BPO Catalysts:	Store as far from resins as possible
Storage of Resin:	Do not store in sunlight or at below 15°C for a long period
Compression Strength of Substrate:	Must be above 22.5 N/mm ²
Chemical Resistance:	Excellent resistance to dilute acids, alkalis and many other chemicals
Colours of Aggregate Available:	Light Grey, Dark Grey, Black, Red and White
Tool Cleaning:	Use Alltimes RTU Tool Cleaner
Solvented Thinners:	Do not allow to come into contact with uncured RTU

- An adhesion test is always recommended prior to quoting; however, it is essential for applying onto asphalt. Please contact Alltimes Coatings technical department for information on how to carry out the test
- It is recommended to install complete sections at a time
- Bituminous floors and coatings with a high tar content are unsuitable for coatings with PMMA RTU systems. This excludes mastic asphalt which is generally suitable, although bond tests should be undertaken to confirm
- Aggressive mechanical preparation of the substrate must be avoided ie: scabbling and aggressive diamond grinding
- Storage outside temperatures of 20°C to 25°C may affect pot life
- Do not allow solvented thinners to come into contact with uncured RTU
- Remove excess thinners from tools before starting application

Coverage

	RTU Primer (If Required):	0.7-1.2mm Quartz in Primer	RTU Roof Standard:	RTU Roof Plus:	RTU Roof Standard Extra Coat:	Aggregate:
Flat Roof 10 Year Warranty:	Minimum 300gms/ 370ml	0.5kg sqm	3kg			
Flat Roof 15 Year Warranty:			3.5kg			
Flat Roof 20 Year Warranty:			4kg			
Roof with up to 6° Incline 10 Year Warranty:				4-4.5kg	1kg	1.2mm @4.5-6kg
Anti-Slip Walkway Warranty as the Main Roof:			1kg		1kg	1.2mm @4-5kg

NOTE: Material consumption rates will vary depending on the texture of the substrate (especially on asphalt)

Application Procedure for **Roof Standard**

Gridding & Measuring - How Much System Do I Need?

- Thorough preparation at this stage will ensure proper primer and coating coverage
- Use accurate measurements of the area to be coated along with the primer and coating coverage rate required to calculate how many tins you need

Adhesion Test

- Complete adhesion tests to ensure substrate readiness and suitability

Preparation & Cleaning

- Remove all loose matter including moss, lichen or debris. Some previous coatings may need to be removed. Please check with our technical department for more information
- The substrate should be clean and dry and free from any contamination. Any oil, grease or dirt should be removed by de-greasing and scrubbing. Use mechanical preparation as required

Prime

- Use the correct RTU Primer for the substrate. RTU General Purpose for Concrete, RTU Metal Primer for metal substrates and RTU Single Ply Primer for single ply substrates. Asphalt does not usually require priming
- Mix Alltimes RTU BPO Catalyst into the primer in the required quantities for installation temperature
- If required apply primer at 0.3kg per square metre (3 sqm per kilo) minimum with a short pile solvent resistant roller
- Lightly broadcast with 0.7-1.2mm quartz at 0.5kg per square metre to aid adhesion
- Allow to cure for the minimum times as in the table on back page

Components for Roof Standard

- RTU Roof Standard: 5kg, 10kg, 12.5kg & 25kg Tins
- RTU Roof Plus: 5kg, 10kg & 25kg Tins
- RTU General Purpose Primer: 2kg & 5kg Tins
- RTU Metal Primer: 2kg & 5kg Tins
- RTU Single Ply Primer: 2kg & 5kg Tins
- RTU BPO Catalyst: 100gsm bags
- 1.2mm Aggregate: 25kg
- RTU Tool Cleaner: 5l & 25l Tubs
- Glassmat: 20m, 50m & 70m Rolls

Application Procedure for **Roof Standard** (Cont'd.)

Application for Patch Repair

- Apply Alltimes RTU Roof Standard at approx. 3-4kg in total per square metre depending on substrate type and texture and the warranty required. Add the correct amount of RTU BPO Catalyst for the installation temperature
- Pour the RTU Roof Standard mixture onto the substrate at the following rates and spread with a trowel, squeegee or roller for a consistent and even coverage:
 - a) 10 Year Warranty 2kg per square metre
 - b) 15 Year Warranty 2.25kg per square metre
 - c) 20 Year Warranty 2.5kg per square metre
- Install Glassmat into the wet resin and roll in to fully wet out
- Leave to fully cure and cool
- Apply a final coat of Alltimes RTU Roof Standard at:
 - a) 10 Year Warranty 1kg per square metre
 - b) 15 Year Warranty 1.25kg per square metre
 - c) 20 Year Warranty 1.5kg per square metre



Application for an Anti-Slip Walkway

- Complete the above application for a flat roof
- Mark out the area required as a walkway and apply Alltimes RTU Roof Standard at approx. 1kg per square metre
- Immediately fully broadcast 1.2mm minimum size aggregate at a rate of 4-5kg per square metre. Coloured aggregate is available on request
- Allow to cure then sweep off any excess aggregate
- Apply a final coat of Alltimes RTU Roof Standard at approx. 0.5kg per square metre
- The warranty available will match that of the main roof

Application for Upstands

- Apply Alltimes RTU Roof Standard at approx. 2kg per square metre depending on substrate type and texture. Add the correct amount of RTU BPO Catalyst for the installation temperature
- Apply the mixture onto the upstand at a rate of 2kg per square metre with a brush or roller to ensure an even and consistent coverage. Take the RTU Detail down onto the main roof by at least 75mm to ensure a good seal
- Leave to fully cure to prevent outgassing

Application Procedure for **Roof Plus with (1° - 6°) Incline**

Gridding & Measuring - How Much System Do I Need?

- Thorough preparation at this stage will ensure proper primer and coating coverage
- Use accurate measurements of the area to be coated along with the primer and coating coverage rate required to calculate how many tins you need

Adhesion Test

- Complete adhesion tests to ensure substrate readiness and suitability

Preparation & Cleaning

- Remove all loose matter including moss, lichen or debris. Some previous coatings may need to be removed. Please check with our technical department for more information
- The substrate should be clean and dry and free from any contamination. Any oil, grease or dirt should be removed by de-greasing and scrubbing. Use mechanical preparation as required

Prime

- Use the correct RTU Primer for the substrate. RTU General Purpose for Concrete, RTU Metal Primer for metal substrates and RTU Single Ply Primer for single ply substrates. Asphalt does not usually require priming
- Mix Alltimes RTU BPO Catalyst into the primer in the required quantities for installation temperature
- If required apply primer at 0.3kg per square metre (3 sqm per kilo) minimum with a short pile solvent resistant roller
- Allow to cure for the minimum times as in the table below

Components for Roof Plus

- RTU Roof Standard:
5kg, 10kg, 12.5kg & 25kg Tins
- RTU Roof Plus:
5kg, 10kg & 25kg Tins
- RTU General Purpose Primer:
2kg & 5kg Tins
- RTU Metal Primer:
2kg & 5kg Tins
- RTU Single Ply Primer:
2kg & 5kg Tins
- RTU BPO Catalyst:
100gsm bags
- 1.2mm Aggregate: 25kg
- RTU Tool Cleaner: 5l & 25l Tubs
- Glassmat: 20m, 50m & 70m Rolls

Application Procedure for **Roof Plus** (Cont'd.)

Application for Patch Repair

- Apply Alltimes RTU Roof Plus with incline 1° to 6°. at 3-4kg in total per square metre depending on substrate type and texture. Add the correct amount of RTU BPO Catalyst for the installation temperature
- Pour the RTU Roof Plus mixture onto the substrate at the following rates and spread with a trowel, squeegee or roller to achieve a consistent and even coverage:
 - a) 10 Year Warranty 2kg per square metre
 - b) 15 Year Warranty 2.25kg per square metre
 - c) 20 Year Warranty 2.5kg per square metre
- Install Glassmat into the wet resin and roll in to fully wet out
- Leave to fully cure and cool
- Apply a final coat of Alltimes RTU Roof Plus at:
 - a) 10 Year Warranty 1kg per square metre
 - b) 15 Year Warranty 1.25kg per square metre
 - c) 20 Year Warranty 1.5kg per square metre



Application for an Anti-Slip Walkway

- Complete the above application for the roof
- Mark out the area required as a walkway and apply Alltimes RTU Roof Plus at approx. 1kg per square metre
- Immediately fully broadcast 1.2mm minimum size aggregate at a rate of 4.5-6kg per square metre. Coloured aggregate is available on request
- Allow to cure then sweep off any excess aggregate
- Apply a final coat of Alltimes RTU Roof Plus at approx. 0.5kg per square metre

Application for Upstands

- Apply Alltimes RTU Roof Plus at approx. 2kg per square metre depending on substrate type and texture. Add the correct amount of RTU BPO Catalyst for the installation temperature
- Apply the mixture onto the upstand at a rate of 2kg sqm with a brush or roller to ensure an even and consistent coverage. Take the RTU Detail down onto the main roof by at least 75mm to ensure a good seal
- Leave to fully cure to prevent outgassing

BPO Catalyst & Accelerator Ratios

	Ground Temp 0-10°C			Ground Temp 10-20°C			Ground Temp 20-30°C		
	5kg	10kg	25kg	5kg	10kg	25kg	5kg	10kg	25kg
RTU Roof Standard & Roof Plus:	250g	500g	1250g	200g	400g	1000g	150g	300g	750g
RTU General Purpose & Single Ply Primers:	300g	600g	1500g	200g	400g	1000g	150g	300g	750g
RTU Metal Primer:	300g	600g	1500g	250g	500g	1250g	200g	400g	1000g

Curing Times

	Ground Temp 0-10°C			Ground Temp 10-20°C			Ground Temp 20-30°C		
	Pot Life	Hardening	Minimum Overcoat	Pot Life	Hardening	Minimum Overcoat	Pot Life	Hardening	Minimum Overcoat
RTU Roof Standard & Roof Plus:	35min	45min	30min	20min	25min	30min	10min	15min	25min
RTU General Purpose Primer:	17min	25min	45min	17min	40min	40min	14min	40min	30min