

DEK STANDARD ENGINEERING INSTRUCTION

Title

Page 1 of 13

PAINT: “Grey-White” (RAL 9002)

DSF 2.5.4

If TRIMITE paint is used:

TWO PACK POLYURETHANE FINE TEXTURE

Paint Type and Specification; please refer to pages 2 to 3.

Used Primer See DSF 2.1.0 – HP20 (41/HP20 – Mid Grey)

Used ESD Undercoat see DSF 2.9.32 prior to this coat. – Only for Plastics.

PROUDUCT REF:

R47494/AE262/2.

For the latest information and application details please check with Trimite.

Issue	01	02	03	04	05	06	07	08
DCR		7135	31336	31671	02/06/21			

DESCRIPTION:	A Two Pack Acrylic Isocyanate-free finish providing similar properties to Two Pack Polyurethane finishes. The product can be used on suitably prepared and primed substrates, including most plastic substrates, metals and a variety of timbers. Where a touch up scheme is required, this product is also suitable for use as a single pack air drying finish. Please contact our Technical department for advice on suitable priming schemes. Available in a full range of colours and gloss levels. Finishes produce very durable coatings with excellent long term retention of colour and gloss for both interior and exterior use.
AVAILABILITY:	Call our Sales Hot Line 0121 554 7000 for full details of the container sizes and prices.
FLASH POINT:	Flash point in the range of 21°C-32°C. Tested to BS 3900 Part A8.
STORAGE:	Store between 5°C – 35°C for a period not exceeding twelve months before use. Note: When not in use cans must be kept sealed.
MIXING RATIO:	Plastilac AE262 Two Pack Acrylic Topcoat must be mixed with Curing Agent J2621 in the ratio of 4 parts Topcoat to 1 part Curing Agent, by volume.
MIXTURE (POT) LIFE:	The mixed material will remain usable for a period of up to 8 hours under normal working conditions (20°C).
COVERAGE:	Calculated on a dry film thickness of 25 microns. Conventional Spraying: 9-10 square metres per litre of mixed material. The coverage figures shown are approximate and will vary with the type of equipment used and the shape of the component. Note: When applying a spatter coat, allow for a reduction of approximately 50% on the coverage figures shown.
PREPARATION:	Plastic: The substrate must be thoroughly clean and free from mould release agents and static charges. Owing to the sensitivity of many plastics to certain solvents, Antistatic Cleaner J131 should be used. However, T Wipes No. 3 - MP0305 (Antistatic Quality) are available and may be more convenient. Note: It may be necessary to use a suitable electronic or radioactive source static eliminator immediately prior to painting.
PRIMING:	Plastic: The recommended primer is Plastilac AP262 Two Pack Acrylic Primer or Plastilac AP200 Air Drying Primer. Metal: In the absence of a chemical pretreatment the recommended primer is SAP2 Two Pack Self Etching Primer.
FINISHING:	Application: Plastilac® AE262 Two Pack Acrylic Topcoat may be applied by the following methods: Conventional Spraying: High Volume Low Pressure (HVLP). Conventional Spraying: To the blend of mixed material (see MIXING RATIO), approximately 20% by volume of Thinner PT1002 may be added up to obtain a suitable viscosity of between 25 - 35 seconds viscosity BS B4 cup. Adjustments may be made to the viscosity dependant on finish required. Electrostatic Spraying: Plastilac AE262 Two Pack Acrylic Topcoat when used with electrostatic Thinner M6020 is normally suitable for application with various types of electrostatic spraying equipment. It is recommended that our Technical Services Team be consulted for more detailed information.

Film Thickness: A wet film thickness of 50-60 microns will result in a dry film thickness of approximately 25 microns.

Spatter Finish:

- a) Apply the first coat normally and allow to 'flash-off' for approximately 5 minutes.
- b) Reduce air pressure to between 5-15 pounds per square inch and apply 'spatter' coat to the desired pattern. (This application process is made easier by the use of a pressure pot which permits greater control of the resultant pattern).

Note: A higher profile may be achieved by using the material unthinned.

AIR DRYING:

At an ambient temperature of 20°C, the drying time is approximately as follows:

Surface Dry:	10-15 minutes
Hard Dry:	2-4 hours
Full Properties:	7 days

Note 1: Lower temperatures will increase the drying time.

Note 2: Where an additional coat is required, this must be applied within 24 hours or after 90 hours.

FORCE DRYING:

When it is required to accelerate the drying process, a 'flash-off' period of approximately 10 minutes should be allowed for the solvents to evaporate.

Plastic: Force drying must be carried out with care to avoid component deformation. The type of plastic, conditions of moulding and post-mould time will determine the maximum temperature that can be employed. A typical curing schedule would be 2-3 hours at 60°C.

Metal: Temperatures up to 120°C for 20-30 minutes are normally recommended.

CLEANING:

Thinner CT80 is suitable for cleaning all equipment after use.

SAFETY:

Before use, refer to our Individual Safety Information Sheets.

WARRANTY:

Information provided in this leaflet is given in good faith but without warranty on the understanding that users satisfy themselves about the product's suitability for their own purpose. Our Technical Service team is available to assist in cases of doubt. Any sale by this Company is strictly subject to our Conditions of Sale.

TRIMITE

GLOBAL COATINGS

SAFETY DATA SHEET TWO PACK ACRYLIC FINISH

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name TWO PACK ACRYLIC FINISH

Product number AE262

Special User Instructions

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Finish coat.

1.3. Details of the supplier of the safety data sheet

Supplier Trimite Global Coatings
Firwood Paints Ltd. Oakenbottom Road, Bolton, UK, BL2 6DP
+44 (0)1204 - 525231
sales@firwood.co.uk

1.4. Emergency telephone number

Emergency telephone +44 (0) 1895 - 251234 Mon - Thurs: 9.00 - 17.30, Friday: 9.00 - 16.00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

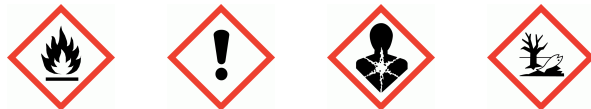
Physical hazards Flam. Liq. 3 - H226

Health hazards Repr. 1B - H360F STOT SE 3 - H335, H336 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360F May damage fertility.
H411 Toxic to aquatic life with long lasting effects.

TWO PACK ACRYLIC FINISH

Precautionary statements	P261 Avoid breathing vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P312 Call a POISON CENTRE/doctor if you feel unwell. P331 Do NOT induce vomiting. P403+P235 Store in a well-ventilated place. Keep cool.
Contains	Solvent naphtha (petroleum), light arom., xylene, Barium Metaborate, n-Butyl Acetate, ethylbenzene
Supplementary precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P302+P352 IF ON SKIN: Wash with plenty of water. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Solvent naphtha (petroleum), light arom.		10-30%
CAS number: 64742-95-6	EC number: 918-668-5	REACH registration number: 01-2119455851-35-XXXX
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411		

TWO PACK ACRYLIC FINISH

2-Methoxy-1-methylethyl Acetate			10-30%
CAS number: 108-65-6	EC number: 203-603-9	REACH registration number: 01-2119475791-29-XXXX	
Classification Flam. Liq. 3 - H226			
Xylene isomer mixture (with up to 20 % Ethylbenzene)			5-10%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119457558-25-XXXX	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 STOT RE 2 - H373 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412			
Barium Metaborate			<2.0%
CAS number: 13701-59-2	EC number: 237-222-4		
Classification Acute Tox. 4 - H302 Repr. 1B - H360F			
Zinc Phosphate			<2.0%
CAS number: 7779-90-0	EC number: 231-944-3	REACH registration number: 01-2119485044-40-XXXX	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410			
n-Butyl Acetate			1-5%
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29-XXXX	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336			

TWO PACK ACRYLIC FINISH

ethylbenzene		1-5%
CAS number: 100-41-4	EC number: 202-849-4	
Classification Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304		
Butan-1-ol		<1%
CAS number: 71-36-3	EC number: 200-751-6	
Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly. Never give anything by mouth to an unconscious person.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing stops, provide artificial respiration. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist.
Ingestion	Get medical attention immediately. Do not induce vomiting. Keep affected person warm and at rest.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Treat symptomatically.
----------------------------	--

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
-----------------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

TWO PACK ACRYLIC FINISH

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).
5.3. Advice for firefighters	
Protective actions during firefighting	Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No smoking, sparks, flames or other sources of ignition near spillage. Keep unnecessary and unprotected personnel away from the spillage. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.
-----------------------------	---

6.2. Environmental precautions

Environmental precautions	The product is immiscible with water and will sediment in water systems. Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground.
----------------------------------	--

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with sand or other inert absorbent.
--------------------------------	---

6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards.
------------------------------------	--

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Restricted to professional users. Use only in well-ventilated areas. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
--------------------------	---

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store at temperatures between 5°C and 35°C. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from the following materials: Acids. Alkalis. Avoid contact with oxidising agents.
----------------------------	--

Storage class	Flammable liquid storage.
----------------------	---------------------------

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
----------------------------	---

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

2-Methoxy-1-methylethyl Acetate

Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³

Sk

TWO PACK ACRYLIC FINISH

Xylene isomer mixture (with up to 20 % Ethylbenzene)

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

n-Butyl Acetate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

ethylbenzene

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³

Sk

Butan-1-ol

Short-term exposure limit (15-minute): WEL 50 ppm 154 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

Xylene isomer mixture (with up to 20 % Ethylbenzene) (CAS: 1330-20-7)

DNEL	Workers - Dermal; Long term systemic effects: 180 mg/kg/day Workers - Inhalation; Long term systemic effects: 77 mg/m³ Consumer - Dermal; Long term systemic effects: 108 mg/m³ Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³
PNEC	- Fresh water; 0.327 mg/l - marine water; 0.327 mg/l - Intermittent release; 0.327 mg/l - STP; 6.58 mg/l - Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg - Soil; 2.31 mg/kg

Zinc Phosphate (CAS: 7779-90-0)

DNEL	Workers - Inhalation; Long term systemic effects: 5 mg/m³ Workers - Dermal; Long term systemic effects: 83 mg/kg/day
PNEC	- Fresh water; 20.6 µg Zn/L - marine water; 6.1 µg Zn/L - Sediment (Freshwater); 117.8 mg/kg d.w. - Sediment (Marinewater); 56.5 mg/kg d.w. - Soil; 35.6 mg/kg d.w. - STP; 100 µg Zn/L

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

Eye/face protection

Wear eye protection.

TWO PACK ACRYLIC FINISH

Hand protection	Wear protective gloves.
Other skin and body protection	Provide eyewash station and safety shower.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid. Coloured liquid.
Odour	Characteristic. Organic solvents.
Initial boiling point and range	115 - 165°C
Flash point	23-60°C Closed cup.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7 %
Relative density	1.0 - 1.2
Solubility(ies)	Immiscible with water.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of ~613 g/l.
----------------------------------	--

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
------------------	---

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Strong acids. Strong alkalis. Strong oxidising agents.
---------------------------	--

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂). Nitrous gases (NO _x).
---	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	27,188.69
-------------------------	-----------

Acute toxicity - dermal

ATE dermal (mg/kg)	19,257.7
---------------------------	----------

Acute toxicity - inhalation

ATE inhalation (gases ppm)	74,404.76
-----------------------------------	-----------

TWO PACK ACRYLIC FINISH

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.
Disposal methods	Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of contents/container in accordance with national regulations. Dispose of contents/container in accordance with local regulations. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. The classification of this product, when disposed of as waste is 08 01 11 'waste paint or varnish containing organic solvents or other dangerous substances'. If this product is mixed with other wastes, this code may longer apply. If mixed with other materials , the appropriate code should be assigned, for further information contact your local waste authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3

TWO PACK ACRYLIC FINISH

ADN class 3

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Issued by	HS&E Manager.
Revision date	03/06/2019
Revision	4
SDS number	5486
SDS status	Approved.

TWO PACK ACRYLIC FINISH

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H360F May damage fertility.
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.