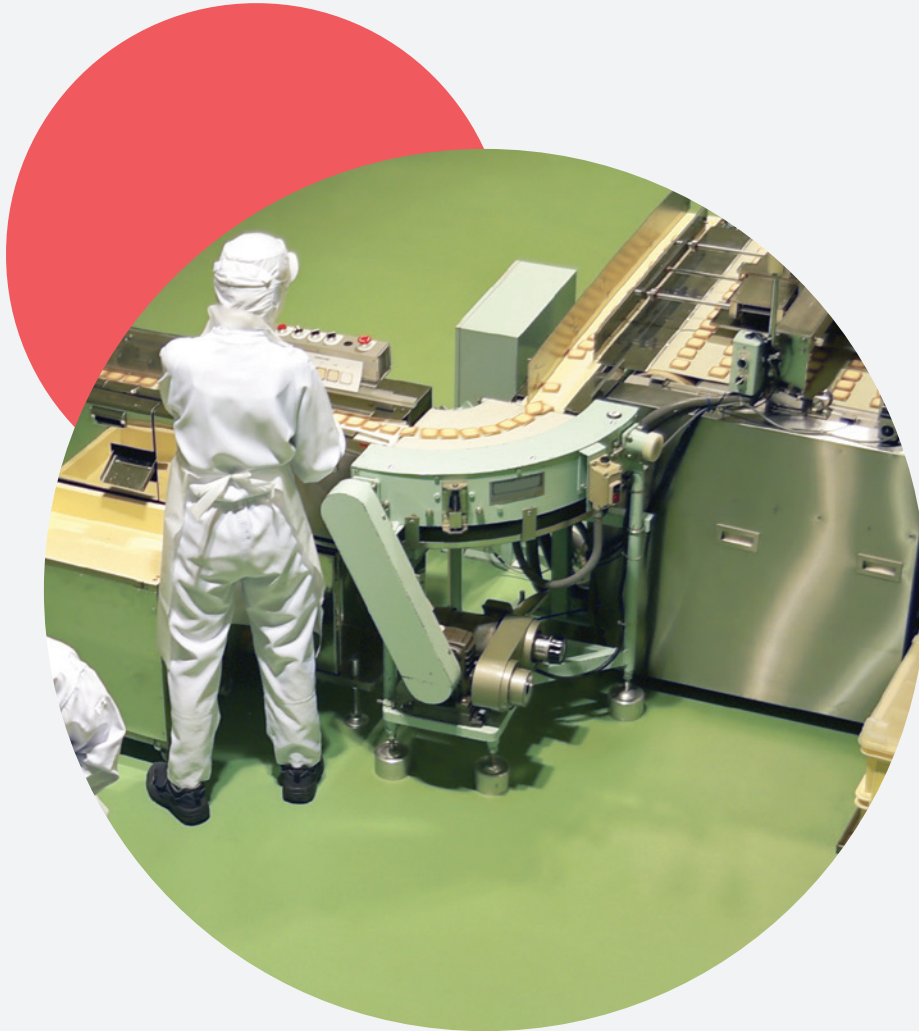




Dr.  
**cipy**



**PU Concrete floorings**  
for hygienic environments

# **Duracrete Flooring Systems**

**SPECIALIZED FLOOR COATINGS**



A black and white photograph of three men in a laboratory setting. They are wearing white lab coats with a small logo on the chest. The man in the center is wearing safety glasses and gloves, and is leaning over a table, examining a sample. The man on the right is also wearing safety glasses and is looking at the sample. The man on the left is looking towards the center. In the background, there is a large chart titled "PERIODIC CHART OF THE ELEMENTS" with various chemical symbols and names visible. The text "We create flooring solutions that are pleasing, enduring and green." is overlaid on the left side of the image in a blue font.

**We create flooring solutions that are pleasing, enduring and green.**



## Why Dr. Cipy?

---

With its excellence in the industry for over 45 years, Dr. Cipy today is recognized as the leading manufacturer of specialist resin flooring products.

---

Dr. Cipy successfully manufactures seamless terrazzo, antimicrobial Polyurethane flooring, decorative resin flooring, self-levelling floor screeds, corrosion protection systems, static dissipative flooring, artistic flooring finishes and waterproof car park deck coatings which cater specifically to the Indian climate. With the support of our state of the art manufacturing plants, which are strategically placed to provide consistent high standards of product and service across the country. We ensure our clients'

satisfaction from the best in modern technology with our strong focus on research and development and the consistent innovation of new and improved products. Our continuous commitment to be environmentally conscious and introduce greener flooring products is in conjunction with our company policy of environmental care and protection. IGBC certification is the endorsement of our environment consciousness. Dr. Cipy is a Pidilite Group product brand, offering a truly quality service to customers.

## PU-Concrete Flooring systems

---

Duracrete is based on a unique chemistry where urethane and cement are fused to form a thick, self-levelling flooring that is resistant to thermal shocks, aggressive chemicals, impact loads and vehicular traffic.

---

Dr. Cipy's Duracrete has withstood the testing times on heavily trafficked industrial floors. Duracrete is designed to last and perform in any industry which encounter physical and chemical abuses. Duracrete flooring systems are installed nationwide by Dr. Cipy's authorized applicators who have undergone intensive training at Dr. Cipy's R&D centre. Strict food safety requirements in F&B

require floorings to be clean and serviceable. Duracrete is seamless, hygienic, odourless and does not support bacterial growth. Like stainless steel substrates, all Duracrete floors can be effectively sanitized by steam cleaning to a standard comparable to stainless steel.



## Engineered for Excellence

Dr. Cipy, India's number one floor coating company, has been specializing in resinous floorings since the last four decades and with that unrivalled experience and expertise, now offers the toughest flooring for the toughest application on the harshest floors of food and beverage industries, Automobile, Engineering, Cold Storage and Defence Establishments: Duracrete

## The features that will floor you.

A range of purposely designed floors for every industry that will not let you down, even after years of abuse. The versatile Duracrete range of flooring systems can be tailored to suit specific requirements in a F&B industry. A range that virtually help you to be successful.



Hygiene



Quality



Safety



Food Grade



Thermal Shock Resistant



Odourless



Static Dissipative



Chemical Resistant



Impact Resistant



Abrasion Resistant



Slip Resistant



Durable



Antimicrobial Certified



HACCP Certified



GreenPro

## Application

Food & Beverage plants

Cold Storages

Meat processing plants

Dairies

Commercial kitchens

Bakeries

Pharma industries

Breweries

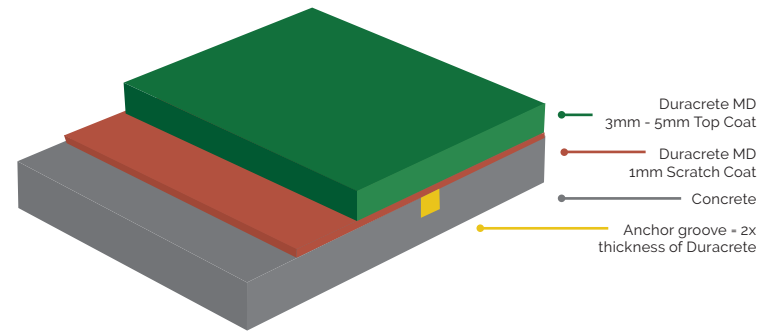
Engineering & Automobiles

Defence

# Duracrete MD

Duracrete MD is a four-component PU concrete flooring recommended as robust floorings in food and beverage industries. Duracrete MD is a self-smoothing polyurethane concrete flooring system designed

to provide outstanding abrasion and chemical resistance and is generally applied at thicknesses 4-6 mm. Duracrete MD is also available in Antimicrobial Version known as Duracrete MD-AM.



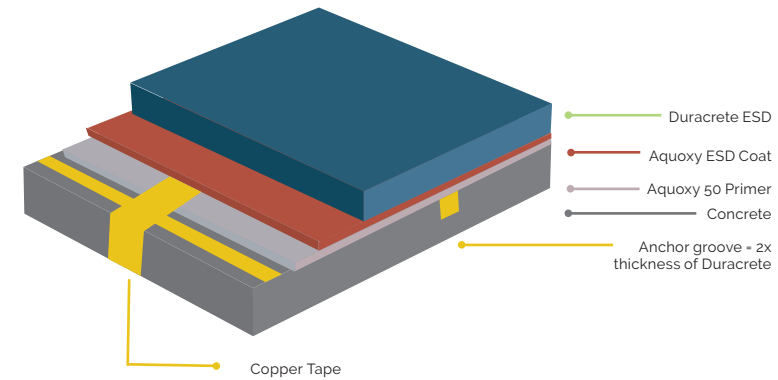
### Technical Parameters of Duracrete MD

Compressive Strength ASTM C 579	≥ 40 Mpa
Tensile strength ASTM D 638	≥ 5 MPa
Flexural strength ASTM D 790	≥ 20 MPa
Abrasion resistance ASTM D 4060	≤ 50mg loss
Service temperature (for 4mm)	-15° to +80° C

# Duracrete ESD 2000

Duracrete ESD 2000 is a five-component PU ESD flooring recommended for the most demanding application in the industry. Duracrete ESD is a water-based, polyurethane flooring system

designed to provide an extremely abrasion and chemical resistant static dissipative floor topping.



### Technical Parameters of Duracrete ESD 2000

Compressive Strength ASTM C 579	≥ 40 Mpa
Tensile strength ASTM D 638	≥ 8 MPa
Flexural strength ASTM D 790	≥ 20 MPa
Abrasion resistance ASTM D 4060	≤ 50 mg loss
Service temperature (for 4mm)	-5° to 70° C
Surface Resistivity	10 <sup>8</sup> to 10 <sup>9</sup> Ohm



### Areas of Application

- Food processing industries
- Beverage plants
- Confectionaries
- Dairies
- Process industries
- Automobiles
- Defence



### Areas of Application

- Hospital OT.
- Automobile Paint Shop
- Petrochemical Units
- Ammunition Depot
- Airforce Hanger
- Electronics Industry

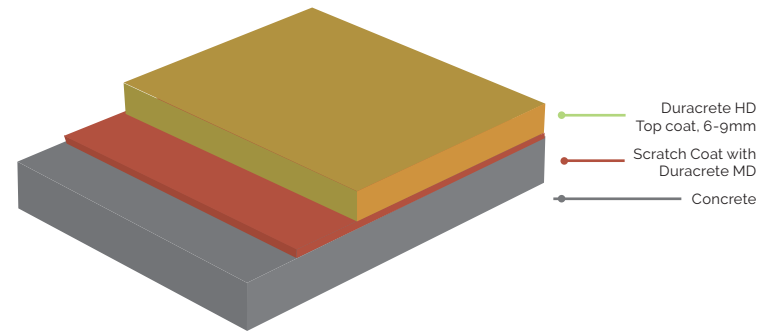
Layers	Duracrete	Thickness	Smooth or Texture	Skid value
2	Duracrete MD	4mm-6mm	Flow grade, Smooth	40-70

Layers	Duracrete	Thickness	Smooth or Texture	Skid value
2	Duracrete ESD	2mm	Smooth	40-70

# Duracrete HD

Duracrete HD is a four-component PU concrete flooring recommended for the most demanding applications in the food and beverage industries. Duracrete HD is an anti-skid polyurethane concrete flooring system designed to provide outstanding thermal

shock resistance and is generally applied at thicknesses 6-9 mm. Duracrete HD is also available in Antimicrobial Version known as Duracrete HD-AM.



### Technical Parameters of Duracrete HD-AM

Compressive Strength ASTM C 579	≥ 50 Mpa
Tensile strength ASTM D 638	≥ 5 Mpa
Flexural strength ASTM D 790	≥ 15 Mpa
Abrasion resistance ASTM D 4060	≤ 40 mg loss
Service temperature	-20°C to 90°C (for 6 mm) -40°C to 120°C (for 9mm)
Shore D Hardness (ASTM D 2240)	> 80

### Areas of Application

- Food processing industries
- Beverage plants
- Confectionaries
- Abattoirs
- Cold storage rooms
- Dairies
- Commercial and industrial kitchens

Layers	Duracrete	Thickness	Smooth or Texture	Skid value
2	Duracrete HD	6mm	Medium- Heavy Texture	40-70
2	Duracrete HD	9mm	Medium- Heavy Texture	40-70

# COVING



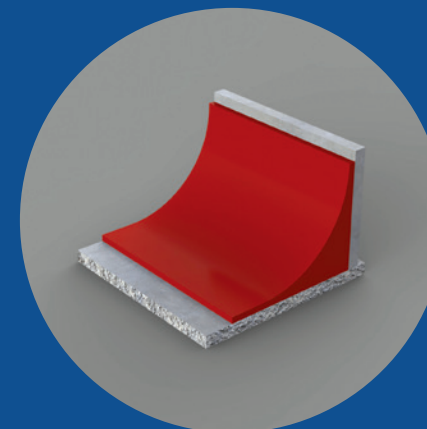
### Duracove

Duracove is a cost effective, three components, trowel applied, Polyurethane coving mortar. It is designed for use with Duracrete range of flooring systems to give a seamless finish for hygienic areas.

Duracove is used as a Mortar/ Screed for horizontal and vertical coverings in pharma and food processing industries.

### Technical Parameters

Compressive Strength ASTM D 695	40- 45 Mpa
Tensile strength ASTM D 638	3-4 Mpa
Flexural strength ASTM D 790	11-14 Mpa



### Duracove TC

### Technical Parameters

Solid Content (ASTM D 2369)	≥ 70%
DFT (ASTM D 7091)	140 micron
Tensile Strength (ASTM D 638)	6-8 MPa
Abrasion Resistance (ASTM D 4060)	75-90 mg loss

# Certifications



## KULKARNI LABORATORY & QUALITY MANAGEMENT SERVICES



Office : E-1 Omega Heritage, Chavan Baug, DSK Vishwa Road, Dhayari, Pune – 411041.  
Contact : (020) 24690107. Mob: 9850982510/ 9763050611. E-mail : kqmslab@gmail.com

Ref No :KLQMS/CPPL/10	Date : 18.06.2019
Customer Name & Address: To, M/S. Cipy Polyurethanes Pvt. Ltd. T – 127, M.I.D.C, Bhosari Pune – 411026	Page - 1 of 1 Sample Name : Duracrete HD B.No. : Resin – SFG/BH0361, Hardner – SFG/BH0370 Sample Given by: Customer Customer Reference : CPPL/TEST/02 Sample received date : 27.05.2019

### TEST REPORT

Sr.No.	Test Parameter	Specification	Result	Test Method
1.	Volume Solids (%)	≥ 98	98.10	ASTM D 2697
2.	Adhesion Pull off Test (Mpa)	≥ 2	3.2	ASTM D 4541
3.	Tensile Strength (Mpa)	≥ 5	6.5	ASTM D 638
4.	Flexural Strength (Mpa)	≥ 15	17.2	ASTM D 790
5.	Compressive Strength (Mpa)	≥ 50	52	ASTM C 579
6.	Abrasion Resistance (mg loss)	≤ 40	31	ASTM D 4060
7.	Pendulum test ,Slip Resistance	40 - 70	52	BS 8204
8.	Water absorption (%)	≤ 1	0.03	ASTM D 570
9.	Shore D Hardness	≥ 80	82	ASTM D 2240

P.H.Kulkarni



## KULKARNI LABORATORY & QUALITY MANAGEMENT SERVICES



Office : E-1 Omega Heritage, Chavan Baug, DSK Vishwa Road, Dhayari, Pune – 411041.  
Contact : (020) 24690107. Mob: 9850982510/ 9763050611. E-mail : kqmslab@gmail.com

Ref No :KLQMS/CPPL/11	Date : 18.06.2019
Customer Name & Address: To, M/S. Cipy Polyurethanes Pvt. Ltd. T – 127, M.I.D.C, Bhosari Pune – 411026	Page - 1 of 1 Sample Name : Duracrete MD B.No. : Resin – SFG/BH0037, Hardner – SFG/BH0008 Sample Given by: Customer Customer Reference : CPPL/TEST/02 Sample received date : 27.05.2019


### TEST REPORT

Sr.No.	Test Parameter	Specification	Result	Test Method
1.	Adhesion Pull off Test (Mpa)	≥ 2	2.7	ASTM D 4541
2.	Tensile Strength (Mpa)	≥ 5	5.5	ASTM D 638
3.	Flexural Strength (Mpa)	≥ 20	21.2	ASTM D 790
4.	Compressive Strength (Mpa)	≥ 40	42	ASTM C 579
5.	Abrasion Resistance (mg loss)	≤ 50	43	ASTM D 4060
6.	Pendulum test ,Slip Resistance	40 - 70	48	BS 8204
7.	Water absorption (%)	≤ 1	0.05	ASTM D 570
8.	Shore D Hardness	≥ 75	80	ASTM D 2240

P.H.Kulkarni



# Certifications




**SPECTRO**  
Analytical Labs Limited  
CIN:U74220DL1998PLC092698

Format No: SALLGN/TRF/GEN  
Issue No:01, Issue Date: 01-04-2017  
Page 1 of 4

## TEST REPORT

Test Report Issued To:  
**CIPY POLYURETHANES PVT. LTD.**  
  
T 127 M.I.D.C., BHOSARI,, PUNE, MAHARASHTRA,  
INDIA, 411026,

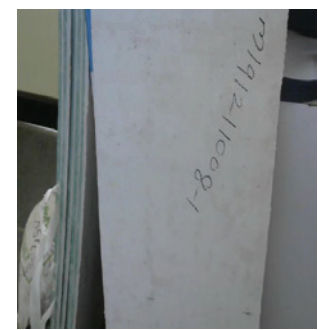
Test Report No: **M191211008/M191211008-1**  
Date of Issue: **31-Dec-2019**



Sample Booking/Receipt Date: **11-Dec-2019**  
Date of Start of Testing: **30-Dec-2019**  
Date of Completion of Test: **30-Dec-2019**

Customer Relationship Number **M28686**


Sample Description :  
**DURACRETE HD**



Customer Reference No :  
PO/SR/0498/19-20 DT. 06/11/2019

Kind Attention : **MR.DEEPAK AKOLE**  
E-Mail: **info@cipypolyurethane.com** Contact No: **9823191914**

Sample Condition : **GOOD CONDITION**  
Sample Quantity (Approx) : **6 NOS** Sample Size (Approx) : **-**  
**SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED**




Report Issued by

**ULR-TC631419000067076F**

Authenticity of report can be verified by mail at [verification@spectrolab.in](mailto:verification@spectrolab.in)  
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area,Phase-V, Kasna, Greater Noida-201308 (India)  
Phone : +91-120-2341250,2341251 || URL : [www.spectro.in](http://www.spectro.in) || Email: [care@spectro.in](mailto:care@spectro.in)



**SPECTRO**  
Analytical Labs Limited  
CIN: U74220DL1998PLC092698

Format No: SALLGN/TRF/GEN  
Issue No: 01, Issue Date: 01.04.17  
Page 4 of 4  
Report No. M191211008/M191211008-1

## TEST REPORT

### 8. SUMMARY OF RESULTS

The system has been evaluated in accordance with BS 476 Part 7

**Observations**


Specimen No.	1	2	3	4	5	6
Distance, mm	Time to travel distance (Min.: Sec.)					
<b>75</b>	0:16	0:21	0:18	0:23	0:20	0:24
<b>165</b>	0:27	0:29	0:30	0:32	0:26	0:33
<b>190</b>	0:38	0:40	0:42	0:43	0:39	0:41
<b>215</b>	0:50	0:52	0:55	0:54	0:51	0:53
<b>240</b>	1:09	1:14	1:16	1:10	1:17	1:12
<b>265</b>	1:29	1:33	1:37	1:34	1:36	1:29
<b>455</b>	1:46	1:52	1:55	1:53	1:49	1:50
<b>710</b>	1:56	2:04	2:09	2:07	2:01	1:59

**Flame Spread, mm**


Specimen No.	1	2	3	4	5	6
<b>At 1.5 Minutes</b>	260	280	270	265	285	280
<b>Final Flame Spread</b>	740	735	750	730	710	725

**Result: The tested specimen qualified for Class 3 as per BS 476 Part 7.**

Analyst Signature




lac-MRA




Testing(TC-6314)

-- End of Test Report --

ULR-TC631419000067076F



Authorised Signatory



Report Issued by

**ULR-TC631419000067076F**

Authenticity of report can be verified by mail at [verification@spectrolab.in](mailto:verification@spectrolab.in)  
This is a Digitally Signed Report and hence doesn't require Physical Signature.

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area,Phase-V, Kasna, Greater Noida-201308 (India)  
Phone : +91-120-2341250,2341251 || URL : [www.spectro.in](http://www.spectro.in) || Email: [care@spectro.in](mailto:care@spectro.in)



# Certifications



**SPECTRO**  
Analytical Labs Limited  
CIN:U74220DL1998PLC092698

Format No: SALLGN/TRF/GEN  
Issue No:01, Issue Date: 01-04-2017  
Page 1 of 4

## TEST REPORT

Test Report Issued To:  
**CIPY POLYURETHANES PVT. LTD.**

T 127 M.I.D.C., BHOSARI,, PUNE, MAHARASHTRA,  
INDIA, 411026,

Test Report No: **M191211008/M191211008-2**

Date of Issue: **31-Dec-2019**



Sample Booking/Receipt Date: 11-Dec-2019  
Date of Start of Testing: 31-Dec-2019  
Date of Completion of Test: 31-Dec-2019

Customer Relationship Number: **M28686**

Sample Description :  
**DURACRETE MD**



Customer Reference No :  
PO/SR/0498/19-20 DT. 06/11/2019

Kind Attention : **MR.DEEPAK AKOLE**  
E-Mail: **info@cipypolyurethane.com** Contact No: **9823191914**

Sample Condition : **GOOD CONDITION**  
Sample Quantity (Approx) : **6 NOS** Sample Size (Approx) : **-**

SAMPLE NOT DRAWN BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED


**ULR-TC631419000067079F**

Authenticity of report can be verified by mail at [verification@spectrolab.in](mailto:verification@spectrolab.in)

This is a Digitally Signed Report and hence doesn't require Physical Signature.

Report Issued by  
**PRASHANT KUMAR TIWARI**  
Date: 2019-12-31 15:51:05+05:30

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area,Phase-V, Kasna, Greater Noida-201308 (India)  
Phone : +91-120-2341250,2341251 || URL : [www.spectro.in](http://www.spectro.in) || Email: [care@spectro.in](mailto:care@spectro.in)  
BIS & DDA Approved, ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory  
Please refer to our Website <http://www.spectro.in/spectro-policies.html> for Terms & Condition



**SPECTRO**  
Analytical Labs Limited  
CIN: U74220DL1998PLC092698

Format No: SALLGN/TRF/GEN  
Issue No: 01, Issue Date: 01.04.17  
Page 4 of 4

## TEST REPORT

Report No. M191211008/M191211008-2

### 8. SUMMARY OF RESULTS

The system has been evaluated in accordance with BS 476 Part 7

**Observations**

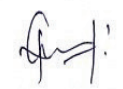
Specimen No.	1	2	3	4	5	6
<b>Distance, mm</b>	<b>Time to travel distance (Min.: Sec.)</b>					
75	0:15	0:18	0:21	0:25	0:22	0:20
165	0:29	0:31	0:30	0:36	0:34	0:33
190	0:41	0:39	0:43	0:45	0:47	0:46
215	0:53	0:56	0:58	0:59	1:01	1:06
240	1:12	1:15	1:21	1:23	1:20	1:24
265	1:25	1:27	1:32	1:30	1:31	1:36
455	1:33	1:40	1:37	1:38	1:41	1:45
710	1:45	1:48	1:46	1:42	1:47	1:51

**Flame Spread, mm**


Specimen No.	1	2	3	4	5	6
<b>At 1.5 Minutes</b>	260	275	280	265	270	265
<b>Final Flame Spread</b>	720	745	730	745	755	750

**Result: The tested specimen qualified for Class 3 as per BS 476 Part 7.**

Analyst Signature




ilac-MRA  
Testing(TC-6314)



-- End of Test Report --

**ULR-TC631419000067079F**




Authorized Signatory

Report Issued by  
**PRASHANT KUMAR TIWARI**  
Date: 2019-12-31 15:51:05+05:30

Spectro Analytical Labs Limited S-1, GNEPIP, Surajpur Industrial Area,Phase-V, Kasna, Greater Noida-201308 (India)  
Phone : +91-120-2341250,2341251 || URL : [www.spectro.in](http://www.spectro.in) || Email: [care@spectro.in](mailto:care@spectro.in)

# Certifications

**HACCP INTERNATIONAL**  
eliminate the hazard - reduce the risk




This is to certify that

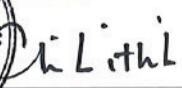
*Cipy Polyurethanes Pvt Ltd*

Flooring System  
(Limited to the products listed on the Certification Statement)

are certified as suitable for use in food and beverage facilities that operate in accordance with a **HACCP based Food Safety Programme** noting the conditions of the certification statement  
Food Zone Classification: SSZ

in accordance with the requirements of **HACCP International's Food Safety Certification Systems**


  
 Issued by

  
 Approved

**11 March 2021**  
Issue Date

**10 March 2023**  
Expiry Date



This certificate belongs to HACCP International and must be returned upon demand. All products and services to which this certificate refers are evaluated prior to release. To verify certification, email [certification@haccp-international.com](mailto:certification@haccp-international.com)  
HACCP INTERNATIONAL: No. 3 Ridgewest Building, 1 Ridge Street, North Sydney, NSW 2060, Australia



HACCP INTERNATIONAL  
FOOD SAFETY CERTIFICATION

HACCP INTERNATIONAL  
FOOD SAFETY CERTIFICATION

Certificate Number  
**I-PE-978-CIP-R3-01**


**CII-Green Products and Services Council**


hereby certifies that

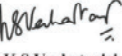
**DURACRETE MD**  
(GPCPU128008)

Manufactured by Cipy Polyurethanes Private Limited at their plant in Bhosari Pune, Maharashtra meets the requirements of GreenPro Certification and qualifies as Green Product.



This certification is valid till **December 2022**



  
**Jamshyd N Godrej**  
 Chairman, CII-Godrej GBC

  
**ParasuRaman R**  
 Chairman, CII-Green Products & Services Council

  
**K S Venkatagiri**  
 Executive Director, CII-Godrej GBC

Supporting Council and programmes


**CII-Green Products and Services Council**


hereby certifies that


**DURACRETE ESD 2000**  
(GPCPU128011)

Manufactured by Cipy Polyurethanes Private Limited at their plant in Bhosari Pune, Maharashtra meets the requirements of GreenPro Certification and qualifies as Green Product.



This certification is valid till **December 2022**

  
**Jamshyd N Godrej**  
 Chairman, CII-Godrej GBC

  
**ParasuRaman R**  
 Chairman, CII-Green Products & Services Council

  
**K S Venkatagiri**  
 Executive Director, CII-Godrej GBC

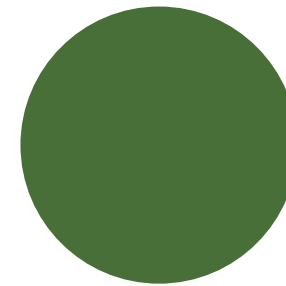
Supporting Council and programmes

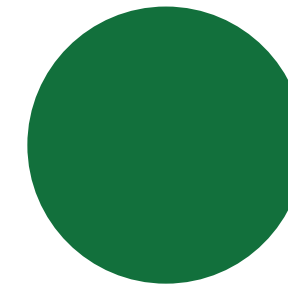
## Certifications



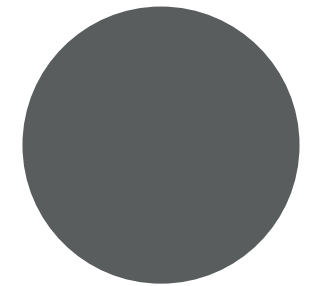
## Colour Chart



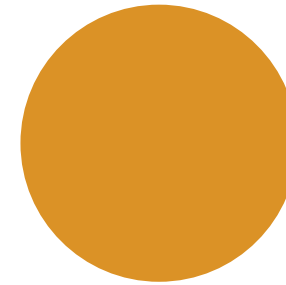
**GRASS GREEN**  
RAL 6010



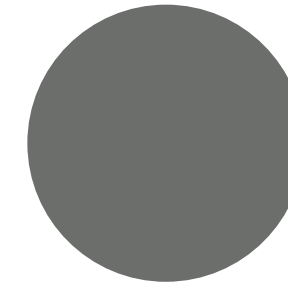
**MINT GREEN**  
RAL 6029



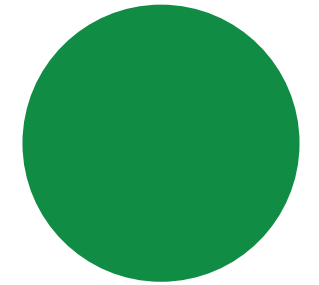
**BASALT GREY**  
RAL 7012



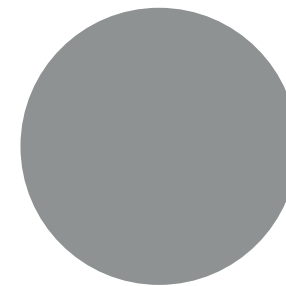
**MAIZE YELLOW**  
RAL 1006



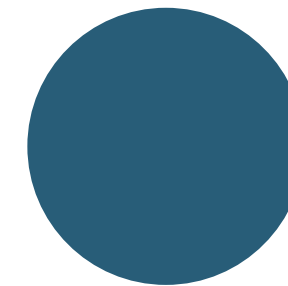
**MOUSE GREY**  
RAL 7005



**PURE GREEN**  
RAL 6037



**TRAFFIC GREY A**  
RAL 7042



**AZURE BLUE**  
RAL 5009

# Duracrete Clientele

Meyer Pharma, Bangalore	Sterlite Industries, Aurangabad
SRF, Dahej	Parekh Agro, Yavat
Flex Foods, Bangalore	Toshiba, Pune
Emami, Kandala	Tata Motors, Pimpri
Grannules India, A.P	Automotive Axles Ltd., Bangalore
Varun Beverages, Sandila	Toyota Kirloskar, Bangalore
Varun Beverages, Bihar	Lulu International Shopping Mall, Kochi
Varun Beverages, Begusaria	Bharat Bijlee Ltd., Mumbai
Baskin Robin, Pune	BARC – Trombay
Coke, Tirupati	Crompton Greaves – Bhopal
Coke, Shreekalahasti	Carriage & Wagon Workshop
Hansa (Excelsis Energy Pvt Ltd)	Kellogg India Pvt Ltd.,
Mazda Foods	Mother Dairy Foods Processing Ltd.,
Vijayganga Hospital	Serum Institute of Packaging
Akshaya Patra, Hyderabad	ITC Ltd.
Singhania Foods, Hyderabad	Sandoz Pvt Ltd., Mumbai
Dukes Foods, Hyderabad	Glaxosmithkline
Dodla Dairy, Hyderabad	Makson Nutrition Food Pvt Ltd.,
Honda 2Whealers, Bangalore	Motor Industries Co (MICO)
Brakes India, Chennai	AT & S India Pvt Ltd.,
Coca-Cola -Guwahati / Khurda / Siliguri	Cico Middle East, Qatar
Aarti Industry, Dahej	Aljabor Trading Co., Qatar
Aarti Industry Ankleshwar	Abu Dhabi Medical Industries, Dubai
Alpala Ltd., Silvasa	Global Safety & Civil Supplies, Fiji
Sterlite Technologies, Vapi	Eczacıbasi-Koramic, Istanbul
Hindustan Unilever, Mumbai	Mill Mechanical Services, Dubai



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